The CO-to-H₂ Conversion Factor

Annual Review of Astronomy and Astrophysics 51, 207-268

DOI: 10.1146/annurev-astro-082812-140944

Citation Report

#	Article	IF	CITATIONS
1	Cool Gas in High-Redshift Galaxies. Annual Review of Astronomy and Astrophysics, 2013, 51, 105-161.	8.1	838
2	Molecular Excitation in the Interstellar Medium: Recent Advances in Collisional, Radiative, and Chemical Processes. Chemical Reviews, 2013, 113, 8906-8938.	23.0	200
3	A COMPARATIVE STUDY OF GIANT MOLECULAR CLOUDS IN M51, M33, AND THE LARGE MAGELLANIC CLOUD. Astrophysical Journal, 2013, 779, 46.	1.6	149
4	The Mitchell Spectrograph: Studying Nearby Galaxies with the VIRUS Prototype. Advances in Astronomy, 2013, 2013, 1-16.	0.5	1
5	VALIDATION OF THE EQUILIBRIUM MODEL FOR GALAXY EVOLUTION TO <i>z</i> â ¹ /4 3 THROUGH MOLECULAR GAND DUST OBSERVATIONS OF LENSED STAR-FORMING GALAXIES. Astrophysical Journal, 2013, 778, 2.	CAS 1.6	205
6	A DEEP SEARCH FOR MOLECULAR GAS IN TWO MASSIVE LYMAN BREAK GALAXIES AT <i>z</i> = 3 AND 4: VANISHING CO-EMISSION DUE TO LOW METALLICITY?. Astrophysical Journal Letters, 2013, 776, L24.	3.0	24
7	DWARF GALAXIES WITH IONIZING RADIATION FEEDBACK. II. SPATIALLY RESOLVED STAR FORMATION RELATION. Astrophysical Journal, 2013, 779, 8.	1.6	24
8	CARMA SURVEY TOWARD INFRARED-BRIGHT NEARBY GALAXIES (STING). III. THE DEPENDENCE OF ATOMIC AND MOLECULAR GAS SURFACE DENSITIES ON GALAXY PROPERTIES. Astrophysical Journal Letters, 2013, 777, L4.	3.0	44
9	The star formation law in molecule-poor galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 436, 2747-2762.	1.6	122
10	Kinematics and dynamics of molecular gas in galactic centers. Proceedings of the International Astronomical Union, 2013, 9, 159-167.	0.0	0
11	Probing AGN triggering mechanisms through the starburstiness of the host galaxies. Astronomy and Astrophysics, 2013, 559, A56.	2.1	17
12	Physical conditions of molecular gas in the Circinus galaxy Multi- <i>J</i> CO and Ci ³ PP ₀ observations. Astronomy and Astrophysics, 2014, 568, A122.	2.1	35
13	Outflow of hot and cold molecular gas from the obscured secondary nucleus of NGC 3256: closing in on feedback physics. Astronomy and Astrophysics, 2014, 572, A40.	2.1	27
14	Cold gas properties of the <i>Herschel</i> Reference Survey. Astronomy and Astrophysics, 2014, 564, A66.	2.1	142
15	<i>Planck</i> 2013 results. XI. All-sky model of thermal dust emission. Astronomy and Astrophysics, 2014, 571, A11.	2.1	566
16	A <i>Herschel</i> [C ii] Galactic plane survey. Astronomy and Astrophysics, 2014, 561, A122.	2.1	124
17	ALMA resolves turbulent, rotating [CII] emission in a young starburst galaxy at <i>z</i> = 4.8. Astronomy and Astrophysics, 2014, 565, A59.	2.1	99
18	The molecular gas reservoir of 6 low-metallicity galaxies from the <i>Herschel</i> Dwarf Galaxy Survey. Astronomy and Astrophysics, 2014, 564, A121.	2.1	82

ATION REPO

#	Article	IF	CITATIONS
19	Probing cosmic rays in nearby giant molecular clouds with the <i>Fermi</i> Large Area Telescope. Astronomy and Astrophysics, 2014, 566, A142.	2.1	41
20	Diffuse Galactic gamma-ray emission with H.E.S.S Physical Review D, 2014, 90, .	1.6	69
21	AROUND THE RING WE GO: THE COLD, DENSE RING OF MOLECULAR GAS IN NGC 1614. Astrophysical Journal Letters, 2014, 796, L15.	3.0	23
22	THE INTERSTELLAR MEDIUM AND STAR FORMATION IN EDGE-ON GALAXIES. II. NGC 4157, 4565, AND 5907. Astronomical Journal, 2014, 148, 127.	1.9	48
23	\${m H,scriptsize{I}}\$, CO, AND <i>PLANCK</i> / <i>IRAS</i> DUST PROPERTIES IN THE HIGH LATITUDE CLOUD COMPLEX, MBM 53, 54, 55 AND HLCG 92 – 35. POSSIBLE EVIDENCE FOR AN OPTICALLY THICK \${m H,scriptsize{I}}\$ ENVELOPE AROUND THE CO CLOUDS. Astrophysical Journal, 2014, 796, 59.	1.6	51
24	INTERFEROMETRIC FOLLOW-UP OF <i>WISE</i> HYPER-LUMINOUS HOT, DUST-OBSCURED GALAXIES. Astrophysical Journal, 2014, 793, 8.	1.6	30
25	ALMA OBSERVATIONS OF WARM MOLECULAR GAS AND COLD DUST IN NGC 34. Astrophysical Journal, 2014, 787, 48.	1.6	33
26	SPATIALLY RESOLVED CHEMISTRY IN NEARBY GALAXIES. III. DENSE MOLECULAR GAS IN THE INNER DISK OF THE LIRG IRAS 04296+2923. Astrophysical Journal, 2014, 795, 107.	1.6	17
27	EXTREME GAS FRACTIONS IN CLUMPY, TURBULENT DISK GALAXIES AT <i>z</i> â^1⁄4 0.1. Astrophysical Journal Letters, 2014, 790, L30.	3.0	39
28	A FAR-INFRARED SPECTROSCOPIC SURVEY OF INTERMEDIATE REDSHIFT (ULTRA) LUMINOUS INFRARED GALAXIES. Astrophysical Journal, 2014, 796, 63.	1.6	65
29	EVIDENCE FOR A GAS-RICH MAJOR MERGER IN A PROTO-CLUSTER AT <i>z</i> = 2.5. Astrophysical Journal Letters, 2014, 788, L23.	3.0	22
30	COLD DUST IN HOT REGIONS. Astronomical Journal, 2014, 147, 53.	1.9	6
31	High-redshift quasars host galaxies: is there a stellar mass crisis?. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2442-2455.	1.6	70
32	Molecular gas properties of UV-bright star-forming galaxies at low redshift. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1429-1439.	1.6	13
33	Indications of a sub-linear and non-universal Kennicutt-Schmidt relationship. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 437, L61-L65.	1.2	39
34	Molecular gas content of H i monsters and implications to cold gas content evolution in galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1363-1379.	1.6	14
35	A photodissociation region study of NGC 4038. Monthly Notices of the Royal Astronomical Society, 2014, 443, 111-121.	1.6	13
36	ALLSMOG: an APEX Low-redshift Legacy Survey for MOlecular Gas – I. Molecular gas scaling relations, and the effect of the CO/H2 conversion factor. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2599-2620.	1.6	76

#	Article	IF	CITATIONS
37	despotic – a new software library to Derive the Energetics and SPectra of Optically Thick Interstellar Clouds. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1662-1680.	1.6	65
38	The relation between atomic gas and star formation rate densities in faint dwarf irregular galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1392-1402.	1.6	28
39	CO(1–0) survey of high-z radio galaxies: alignment of molecular halo gas with distant radio sourcesâ~ Monthly Notices of the Royal Astronomical Society, 2014, 438, 2898-2915.	1.6	61
40	The pros and cons of the inversion method approach to derive 3D dust emission properties in the ISM: the Hi-GAL field centred on (l, b) = (30Â, 0Â). Monthly Notices of the Royal Astronomical Society, 2014, 440, 3588-3612.	1.6	3
41	Black hole accretion preferentially occurs in gas-rich galaxies*. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1059-1065.	1.6	49
42	Interpreting the sub-linear Kennicutt–Schmidt relationship: the case for diffuse molecular gas. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2208-2215.	1.6	30
43	Stellar feedback as the origin of an extended molecular outflow in a starburst galaxy. Nature, 2014, 516, 68-70.	13.7	60
44	The interstellar medium and star formation in nearby galaxies. Astronomische Nachrichten, 2014, 335, 470-485.	0.6	6
45	THE CO-TO-H ₂ CONVERSION FACTOR ACROSS THE PERSEUS MOLECULAR CLOUD. Astrophysical Journal, 2014, 784, 80.	1.6	47
46	MOLECULAR CLOUD-SCALE STAR FORMATION IN NGC 300. Astrophysical Journal, 2014, 789, 81.	1.6	31
47	STRONG FAR-INFRARED COOLING LINES, PECULIAR CO KINEMATICS, AND POSSIBLE STAR-FORMATION SUPPRESSION IN HICKSON COMPACT GROUP 57. Astrophysical Journal, 2014, 795, 159.	1.6	24
48	A SURVEY OF THE MOLECULAR ISM PROPERTIES OF NEARBY GALAXIES USING THE <i>HERSCHEL</i> FTS. Astrophysical Journal, 2014, 795, 174.	1.6	68
49	THE CARBON INVENTORY IN A QUIESCENT, FILAMENTARY MOLECULAR CLOUD IN G328. Astrophysical Journal, 2014, 782, 72.	1.6	10
50	The variation in molecular gas depletion time among nearby galaxies: what are the main parameter dependences?. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1329-1338.	1.6	53
51	ACCRETION-INHIBITED STAR FORMATION IN THE WARM MOLECULAR DISK OF THE GREEN-VALLEY ELLIPTICAL GALAXY NGCÂ3226?. Astrophysical Journal, 2014, 797, 117.	1.6	13
52	REGULARITY UNDERLYING COMPLEXITY: A REDSHIFT-INDEPENDENT DESCRIPTION OF THE CONTINUOUS VARIATION OF GALAXY-SCALE MOLECULAR GAS PROPERTIES IN THE MASS-STAR FORMATION RATE PLANE. Astrophysical Journal, 2014, 793, 19.	1.6	263
53	MASSIVE MOLECULAR GAS FLOWS IN THE A1664 BRIGHTEST CLUSTER GALAXY. Astrophysical Journal, 2014, 784, 78.	1.6	72
54	FROM GAS TO STARS IN ENERGETIC ENVIRONMENTS: DENSE GAS CLUMPS IN THE 30 DORADUS REGION WITHIN THE LARGE MAGELLANIC CLOUD. Astrophysical Journal, 2014, 793, 37.	1.6	18

	CITATION RE	PORT	
#	Article	IF	Citations
55	A MOLECULAR LINE SCAN IN THE HUBBLE DEEP FIELD NORTH: CONSTRAINTS ON THE CO LUMINOSITY FUNCTION AND THE COSMIC H ₂ DENSITY. Astrophysical Journal, 2014, 782, 79.	1.6	91
56	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE <i>HERSCHEL</i> KEY PROJECT. I. DUST PROPERTIES AND INSIGHTS INTO THE ORIGIN OF THE SUBMILLIMETER EXCESS EMISSION. Astrophysical Journal, 2014, 797, 85.	1.6	125
57	ANDROMEDA'S DUST. Astrophysical Journal, 2014, 780, 172.	1.6	258
58	THE STATE OF THE WARM AND COLD GAS IN THE EXTREME STARBURST AT THE CORE OF THE PHOENIX GALAXY CLUSTER (SPT-CLJ2344-4243). Astrophysical Journal, 2014, 784, 18.	1.6	37
59	A theory for the excitation of CO in star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1411-1428.	1.6	95
60	Systematic variation of the 12CO/13CO ratio as a function of star formation rate surface density. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2378-2384.	1.6	34
61	Two physical regimes for the giant H ii regions and giant molecular clouds in the Antennae galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1412-1423.	1.6	17
62	CO(1–0) line imaging of massive star-forming disc galaxies at z=1.5–2.2. Monthly Notices of the Royal Astronomical Society, 2014, 442, 558-564.	1.6	55
63	STAR FORMATION RELATIONS IN NEARBY MOLECULAR CLOUDS. Astrophysical Journal, 2014, 782, 114.	1.6	174
64	ABUNDANT MOLECULAR GAS AND INEFFICIENT STAR FORMATION IN INTRACLUSTER REGIONS: RAM PRESSURE STRIPPED TAIL OF THE NORMA GALAXY ESO137-001. Astrophysical Journal, 2014, 792, 11.	1.6	114
65	JET-SHOCKED H ₂ AND CO IN THE ANOMALOUS ARMS OF MOLECULAR HYDROGEN EMISSION GALAXY NGC 4258. Astrophysical Journal Letters, 2014, 788, L33.	3.0	19
66	FUELING ACTIVE GALACTIC NUCLEI. II. SPATIALLY RESOLVED MOLECULAR INFLOWS AND OUTFLOWS. Astrophysical Journal, 2014, 792, 101.	1.6	100
67	ALMA OBSERVATIONS OF A CANDIDATE MOLECULAR OUTFLOW IN AN OBSCURED QUASAR. Astrophysical Journal, 2014, 790, 160.	1.6	52
68	AN INFRARED-LUMINOUS MERGER WITH TWO BIPOLAR MOLECULAR OUTFLOWS: ALMA AND SMA OBSERVATIONS OF NGC 3256. Astrophysical Journal, 2014, 797, 90.	1.6	81
69	A 10 ¹⁰ SOLAR MASS FLOW OF MOLECULAR GAS IN THE A1835 BRIGHTEST CLUSTER GALAXY. Astrophysical Journal, 2014, 785, 44.	1.6	112
70	The ATLAS3D Project – XXVIII. Dynamically driven star formation suppression in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3427-3445.	1.6	150
71	Star formation in the ultraluminous infrared galaxy F00183-7111. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 440, L31-L35.	1.2	12
72	An alternative accurate tracer of molecular clouds: the â€~ <i>X</i> C <scp>i</scp> -factor'. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 440, L81-L85.	1.2	64

#	Article	IF	CITATIONS
73	NEW INSIGHTS ON THE FORMATION AND ASSEMBLY OF M83 FROM DEEP NEAR-INFRARED IMAGING. Astrophysical Journal, 2014, 789, 126.	1.6	26
74	MOLECULAR GAS IN THE X-RAY BRIGHT GROUP NGC 5044 AS REVEALED BY ALMA. Astrophysical Journal, 2014, 792, 94.	1.6	72
75	EARLY SCIENCE WITH THE LARGE MILLIMETER TELESCOPE: EXPLORING THE EFFECT OF AGN ACTIVITY ON THE RELATIONSHIPS BETWEEN MOLECULAR GAS, DUST, AND STAR FORMATION. Astrophysical Journal, 2014, 796, 135.	1.6	13
76	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE HERSCHEL KEY PROJECT. II. GAS-TO-DUST RATIO VARIATIONS ACROSS INTERSTELLAR MEDIUM PHASES. Astrophysical Journal, 2014, 797, 86.	1.6	112
77	The big problems in star formation: The star formation rate, stellar clustering, and the initial mass function. Physics Reports, 2014, 539, 49-134.	10.3	248
78	Far-Infrared Surveys of Galaxy Evolution. Annual Review of Astronomy and Astrophysics, 2014, 52, 373-414.	8.1	73
79	An extremely low gas-to-dust ratio in the dust-lane lenticular galaxy NGCÂ5485. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 444, L90-L94.	1.2	11
80	Inefficient star formation in extremely metal poor galaxies. Nature, 2014, 514, 335-338.	13.7	176
81	A Tale of Cosmic Rays Narrated in \hat{I}^3 Rays by Fermi. Brazilian Journal of Physics, 2014, 44, 600-608.	0.7	4
82	Dusty star-forming galaxies at high redshift. Physics Reports, 2014, 541, 45-161.	10.3	564
83	THE REST-FRAME SUBMILLIMETER SPECTRUM OF HIGH-REDSHIFT, DUSTY, STAR-FORMING GALAXIES. Astrophysical Journal, 2014, 785, 149.	1.6	105
84	Two Î ³ -ray bursts from dusty regions with little molecular gas. Nature, 2014, 510, 247-249.	13.7	36
85	CO-dark gas and molecular filaments in Milky Way-type galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1628-1645.	1.6	153
86	The evolution of the dust and gas content in galaxies. Astronomy and Astrophysics, 2014, 562, A30.	2.1	220
87	<i>Planck</i> intermediate results. XIV. Dust emission at millimetre wavelengths in the Galactic plane. Astronomy and Astrophysics, 2014, 564, A45.	2.1	55
88	Origin and <i>z</i> -distribution of Galactic diffuse [C II] emission. Astronomy and Astrophysics, 2014, 572, A45.	2.1	31
89	Dust and gas in luminous proto-cluster galaxies at <i>z</i> = 4.05: the case for different cosmic dust evolution in normal and starburst galaxies. Astronomy and Astrophysics, 2014, 569, A98.	2.1	70
90	ALMA observations of cool dust in a low-metallicity starburst, SBS 0335â^052. Astronomy and Astrophysics, 2014, 561, A49.	2.1	41

ARTICLE IF CITATIONS # Molecular hydrogen emission in the interstellar medium of the Large Magellanic Cloud. Monthly 1.6 10 91 Notices of the Royal Astronomical Society, 2014, 446, 2490-2504. The Scaling of Star Formation: from Molecular Clouds to Galaxies. Proceedings of the International Astronomical Union, 2014, 10, 121-128. A Herschel and CARMA view of CO and [C ii] in Hickson Compact groups. Proceedings of the 93 0.0 0 International Astronomical Union, 2014, 10, 178-181. The Mopra Southern Galactic Plane CO Survey $\hat{a} \in \mathbb{C}$ Data Release 1. Publications of the Astronomical 94 Society of Australia, 2015, 32, . High-resolution ALMA observations of SDP.81. II. Molecular clump properties of a lensed submillimeter 95 1.0 35 galaxy at <i>z</i> = 3.042. Publication of the Astronomical Society of Japan, 2015, 67, . Exploring the diffuse interstellar bands with the Sloan Digital Sky Survey. Monthly Notices of the 1.6 56 Royal Astronomical Society, 2015, 452, 3629-3649. Neutral hydrogen gas, past and future star formation in galaxies in and around the †Sausage' merging 97 1.6 17 galaxy cluster. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2731-2744. Molecular and atomic gas in dust lane early-type galaxies – I. Low star formation efficiencies in minor 1.6 56 merger remnants. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3503-3516. Dust-to-gas ratio, XCO factor and CO-dark gas in the Galactic anticentre: an observational study. 99 25 1.6 Monthly Notices of the Royal Astronomical Society, 2015, 448, 2187-2196. LOCAL INSTABILITY SIGNATURES IN ALMA OBSERVATIONS OF DENSE GAS IN NGC 7469. Astrophysical Journal Letters, 2015, 806, L34. HIGH-RESOLUTION IMAGING OF PHIBSS <i> z </i> $a^1/4$ 2 MAIN-SEQUENCE GALAXIES IN CO<i> J </i> = 1 a^+ 0. 101 1.6 42 Astrophysical Journal, 2015, 809, 175. MICROWAVE CONTINUUM EMISSION AND DENSE GAS TRACERS IN NGC 3627: COMBINING JANSKY VLA AND 1.6 ALMA OBSERVATIONS. Astrophysical Journal, 2015, 813, 118. RADIO JET FEEDBACK AND STAR FORMATION IN HEAVILY OBSCURED, HYPERLUMINOUS QUASARS AT 103 1.6 37 REDSHIFTS â¹/₄ 0.5–3. I. ALMA OBSERVATIONS. Astrophysical Journal, 2015, 813, 45. COLD AND WARM ATOMIC GAS AROUND THE PERSEUS MOLECULAR CLOUD. II. THE IMPACT OF HIGH OPTICAL DEPTH ON THE HI COLUMN DENSITY DISTRIBUTION AND ITS IMPLICATION FOR THE HI-TO-H₂TRANSITION. Astrophysical Journal, 2015, 809, 56. 104 1.6 CSO AND CARMA OBSERVATIONS OF L1157. I. A DEEP SEARCH FOR HYDROXYLAMINE (NH₂OH). 105 1.6 28 Astrophysical Journal, 2015, 812, 76. VARIATIONS BETWEEN DUST AND GAS IN THE DIFFUSE INTERSTELLAR MEDIUM. Astrophysical Journal, 2015, 1.6 811, 118. SUB-KILOPARSEC IMAGING OF COOL MOLECULAR GAS IN TWO STRONGLY LENSED DUSTY, STAR-FORMING 107 1.6 53 GALAXIES. Astrophysical Journal, 2015, 811, 124. STAR FORMATION SUPPRESSION IN COMPACT GROUP GALAXIES: A NEW PATH TO QUENCHING?. Astrophysical Journal, 2015, 812, 117.

#	Article	IF	CITATIONS
109	Acceleration of cosmic rays and gamma-ray emission from supernova remnant/molecular cloud associations. EPJ Web of Conferences, 2015, 105, 02001.	0.1	2
110	Resolving the Transition from Molecular to Atomic at 1/5 Solar Metallicity in the Small Magellanic Cloud. Proceedings of the International Astronomical Union, 2015, 11, 13-16.	0.0	0
111	Astrochemistry in external galaxies: how to use molecules as probes of their physical conditions. Proceedings of the International Astronomical Union, 2015, 11, 17-25.	0.0	4
112	The fast molecular outflow in the Seyfert galaxy IC 5063 as seen by ALMA. Astronomy and Astrophysics, 2015, 580, A1.	2.1	157
113	FIRST RESULTS FROM COPSS: THE CO POWER SPECTRUM SURVEY. Astrophysical Journal, 2015, 814, 140.	1.6	36
114	THE MULTI-PHASE COLD FOUNTAIN IN M82 REVEALED BY A WIDE, SENSITIVE MAP OF THE MOLECULAR INTERSTELLAR MEDIUM. Astrophysical Journal, 2015, 814, 83.	1.6	136
115	LEO P: HOW MANY METALS CAN A VERY LOW MASS, ISOLATED GALAXY RETAIN?. Astrophysical Journal Letters, 2015, 815, L17.	3.0	36
116	MODELING THE MOLECULAR GAS IN NGC 6240. Astrophysical Journal, 2015, 815, 114.	1.6	15
117	THE WEAK CARBON MONOXIDE EMISSION IN AN EXTREMELY METAL-POOR GALAXY, SEXTANS A. Astrophysical Journal Letters, 2015, 804, L11.	3.0	28
118	Ionized gas at the edge of the central molecular zone. Astronomy and Astrophysics, 2015, 576, A1.	2.1	20
119	<i>Planck</i> intermediate results. Astronomy and Astrophysics, 2015, 582, A31.	2.1	59
120	Estimating Galactic gas content using different tracers: Compatibility of results, dark gas, and unidentified TeV sources. Journal of High Energy Astrophysics, 2015, 5-6, 15-21.	2.4	4
121	CO/H2, C/CO, OH/CO, and OH/O2 in dense interstellar gas: from high ionization to low metallicity. Monthly Notices of the Royal Astronomical Society, 2015, 450, 4424-4445.	1.6	44
122	Does the CO-to-H ₂ conversion factor depend on the star formation rate?. Monthly Notices of the Royal Astronomical Society, 2015, 452, 2057-2070.	1.6	41
123	Molecular hydrogen abundances of galaxies in the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3815-3837.	1.6	182
124	Constraining globular cluster formation through studies of young massive clusters – V. ALMA observations of clusters in the Antennae. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2224-2231.	1.6	54
125	The inferred evolution of the cold gas properties of CANDELS galaxies at 0.5 < <i>z</i> < 3.0. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2258-2276.	1.6	41
126	Stacking analysis of 12CO and 13CO spectra of NGC 3627: Existence of non-optically thick 12CO emission?. Publication of the Astronomical Society of Japan, 2015, 67, .	1.0	25

#	Article	IF	CITATIONS
127	Constraints on the minor merging and star formation history of the Wolf–Rayet galaxy NGC 5430 through observations. Publication of the Astronomical Society of Japan, 2015, 67, .	1.0	2
128	What is a GMC? Are observers and simulators discussing the same star-forming clouds?. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3083-3100.	1.6	20
129	VARIATIONS IN THE STAR FORMATION EFFICIENCY OF THE DENSE MOLECULAR GAS ACROSS THE DISKS OF STAR-FORMING GALAXIES. Astronomical Journal, 2015, 150, 115.	1.9	145
130	VLT/UVES observations of extremely strong intervening damped Lyman- <i>î±</i> systems. Astronomy and Astrophysics, 2015, 577, A24.	2.1	52
131	<i>Herschel</i> HIFI observations of the Sgr A +50 km s ⁻¹ Cloud. Astronomy and Astrophysics, 2015, 584, A118.	2.1	8
132	Substellar fragmentation in self-gravitating fluids with a major phase transition. Astronomy and Astrophysics, 2015, 578, A18.	2.1	5
133	The resolved star-formation relation in nearby active galactic nuclei. Astronomy and Astrophysics, 2015, 577, A135.	2.1	47
134	Galactic very high energy sources and enhancements of material content. EPJ Web of Conferences, 2015, 105, 03002.	0.1	0
135	Theoretical considerations for star formation at low and high redshift. Proceedings of the International Astronomical Union, 2015, 11, 247-253.	0.0	0
136	On the Variation of Gas Depletion Time. Proceedings of the International Astronomical Union, 2015, 11, 258-261.	0.0	0
137	Neutral carbon and CO in 76 (U)LIRGs and starburst galaxy centers. Astronomy and Astrophysics, 2015, 578, A95.	2.1	58
138	MOLECULAR GAS AND STAR-FORMATION PROPERTIES IN THE CENTRAL AND BAR REGIONS OF NGC 6946. Astrophysical Journal, 2015, 815, 59.	1.6	9
139	Molecular depletion times and the CO-to-H ₂ conversion factor in metal-poor galaxies. Astronomy and Astrophysics, 2015, 583, A114.	2.1	83
140	Star formation rates from young-star counts and the structure of the ISM across the NGC 346/N66 complex in the SMCa~ Monthly Notices of the Royal Astronomical Society, 2015, 448, 1847-1862.	1.6	40
141	SUPPRESSION OF STAR FORMATION IN NGC 1266. Astrophysical Journal, 2015, 798, 31.	1.6	111
143	The equilibrium view on dust and metals in galaxies: Galactic outflows drive low dust-to-metal ratios in dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3274-3292.	1.6	86
144	Probing the role of the galactic environment in the formation of stellar clusters, using M83 as a test bench. Monthly Notices of the Royal Astronomical Society, 2015, 452, 246-260.	1.6	144
145	Redshift evolution of stellar mass versus gas fraction relation in 0 < <i>z</i> < 2 regime: observational constraint for galaxy formation models. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3792-3804.	1.6	17

#	Article	IF	CITATIONS
146	Sub-arcsec mid-IR observations of NGC 1614: Nuclear star formation or an intrinsically X-ray weak AGN?. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3679-3687.	1.6	12
147	ASTROCHEMICAL CORRELATIONS IN MOLECULAR CLOUDS. Astrophysical Journal, 2015, 799, 235.	1.6	21
148	A YOUNG GIANT MOLECULAR CLOUD FORMED AT THE INTERFACE OF TWO COLLIDING SUPERSHELLS: OBSERVATIONS MEET SIMULATIONS. Astrophysical Journal, 2015, 799, 64.	1.6	22
149	SUB-MILLIMETER TELESCOPE CO (2-1) OBSERVATIONS OF NEARBY STAR-FORMING GALAXIES. Astrophysical Journal, 2015, 799, 92.	1.6	19
150	A DETECTION OF MOLECULAR GAS EMISSION IN THE HOST GALAXY OF GRB 080517. Astrophysical Journal Letters, 2015, 798, L7.	3.0	24
151	COMBINED CO AND DUST SCALING RELATIONS OF DEPLETION TIME AND MOLECULAR GAS FRACTIONS WITH COSMIC TIME, SPECIFIC STAR-FORMATION RATE, AND STELLAR MASS. Astrophysical Journal, 2015, 800, 20.	1.6	482
152	COLDz: KARL G. JANSKY VERY LARGE ARRAY DISCOVERY OF A GAS-RICH GALAXY IN COSMOS. Astrophysical Journal, 2015, 800, 67.	1.6	8
153	DUST CONTINUUM EMISSION AS A TRACER OF GAS MASS IN GALAXIES. Astrophysical Journal, 2015, 799, 96.	1.6	89
154	NGC 1266: CHARACTERIZATION OF THE NUCLEAR MOLECULAR GAS IN AN UNUSUAL SBO GALAXY. Astrophysical Journal, 2015, 800, 105.	1.6	9
155	Observations of hydroxyl in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 447, 392-399.	1.6	3
156	The Nine Lives of Cosmic Rays in Galaxies. Annual Review of Astronomy and Astrophysics, 2015, 53, 199-246.	8.1	218
157	Physical Models of Galaxy Formation in a Cosmological Framework. Annual Review of Astronomy and Astrophysics, 2015, 53, 51-113.	8.1	960
158	ALMA MULTI-LINE OBSERVATIONS OF THE IR-BRIGHT MERGER VV 114. Astrophysical Journal, 2015, 803, 60.	1.6	43
159	EFFECTIVE DESTRUCTION OF CO BY COSMIC RAYS: IMPLICATIONS FOR TRACING H ₂ GAS IN THE UNIVERSE. Astrophysical Journal, 2015, 803, 37.	1.6	120
160	DISCOVERY OF LUMINOUS STAR FORMATION IN PMN 1452-5910/IRAS14482-5857: THE PTERODACTYL NEBULA. Astronomical Journal, 2015, 149, 70.	1.9	2
161	DISCOVERY OF LARGE MOLECULAR GAS RESERVOIRS IN POST-STARBURST GALAXIES. Astrophysical Journal, 2015, 801, 1.	1.6	104
162	ALMA MULTI-LINE IMAGING OF THE NEARBY STARBURST NGC 253. Astrophysical Journal, 2015, 801, 63.	1.6	109
163	GIANT MOLECULAR CLOUDS IN THE EARLY-TYPE GALAXY NGC 4526. Astrophysical Journal, 2015, 803, 16.	1.6	54

#	Article	IF	CITATIONS
164	THE GLOBAL STAR FORMATION LAWS OF GALAXIES FROM A RADIO CONTINUUM PERSPECTIVE. Astrophysical Journal, 2015, 805, 31.	1.6	54
165	HIGH- <i>J</i> CO SLEDs IN NEARBY INFRARED BRIGHT GALAXIES OBSERVED BY <i>HERSCHEL</i> /PACS. Astrophysical Journal, 2015, 802, 81.	1.6	65
166	HIGH-LATITUDE, TRANSLUSCENT MOLECULAR CLOUDS AS PROBES OF LOCAL COSMIC RAYS. Astrophysical Journal, 2015, 805, 50.	1.6	4
167	THE BOLOCAM GALACTIC PLANE SURVEY. XIII. PHYSICAL PROPERTIES AND MASS FUNCTIONS OF DENSE MOLECULAR CLOUD STRUCTURES. Astrophysical Journal, 2015, 805, 157.	1.6	16
168	LORD OF THE RINGS: A KINEMATIC DISTANCE TO CIRCINUS X-1 FROM A GIANT X-RAY LIGHT ECHO. Astrophysical Journal, 2015, 806, 265.	1.6	43
169	Radio emission from supernova remnants. Astronomy and Astrophysics Review, 2015, 23, 1.	9.1	105
170	CO emissions from optically selected galaxies at <i>z</i> â^¼â€‰0.1–0.2: Tight anti-correlation betw molecular gas fraction and 4000 A break strength. Publication of the Astronomical Society of Japan, 2015, 67, .	veen 1.0	4
171	Molecular Clouds in the Milky Way. Annual Review of Astronomy and Astrophysics, 2015, 53, 583-629.	8.1	348
172	First measurement of HÂ <scp>i</scp> 21Âcm emission from a GRB host galaxy indicates a post-merger system. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 454, L51-L55.	1.2	27
173	Heart of darkness: dust obscuration of the central stellar component in globular clusters younger than â^¼100 Myr in multiple stellar population models. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 448, L62-L66.	1.2	20
174	The relationship between CO emission and visual extinction traced by dust emission in the Magellanic Clouds. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2708-2726.	1.6	23
175	A STAR FORMATION LAW FOR DWARF IRREGULAR GALAXIES. Astrophysical Journal, 2015, 805, 145.	1.6	61
176	THE ARIZONA RADIO OBSERVATORY SURVEY OF MOLECULAR GAS IN NEARBY NORMAL SPIRAL GALAXIES I: THE DATA. Astrophysical Journal, Supplement Series, 2015, 218, 28.	3.0	10
177	FIRST DETECTION OF HCO ⁺ ABSORPTION IN THE MAGELLANIC SYSTEM. Astrophysical Journal, 2015, 808, 41.	1.6	8
178	RETHINKING A MYSTERIOUS MOLECULAR CLOUD. Astrophysical Journal, 2015, 803, 38.	1.6	9
179	SCALING RELATIONS OF THE PROPERTIES FOR CO RESOLVED STRUCTURES IN NEARBY SPIRAL GALAXIES. Astrophysical Journal, 2015, 808, 99.	1.6	30
180	HIGH-RESOLUTION OBSERVATIONS OF MOLECULAR GAS IN THE EARLY-TYPE DWARF GALAXY NGC 404. Astronomical Journal, 2015, 149, 187.	1.9	4
181	THE RELATIONSHIP BETWEEN THE DUST AND GAS-PHASE CO ACROSS THE CALIFORNIA MOLECULAR CLOUD. Astrophysical Journal, 2015, 805, 58.	1.6	37

~		<u> </u>	
CITAT	ION	REDU	RT
011/11			

#	Article	IF	CITATIONS
182	THE PHYSICAL CONDITIONS IN A PRE-SUPER STAR CLUSTER MOLECULAR CLOUD IN THE ANTENNAE GALAXIES. Astrophysical Journal, 2015, 806, 35.	1.6	60
183	WHAT ARE LITTLE WORLDS MADE OF? STELLAR ABUNDANCES AND THE BUILDING BLOCKS OF PLANETS. Astrophysical Journal, 2015, 804, 40.	1.6	64
184	Glimpse into a primitive stellar nursery. Nature, 2015, 525, 195-197.	13.7	0
185	The assembly of â€~normal' galaxies at <i>z</i> Ââ^¼Â7 probed by ALMA. Monthly Notices of the Royal Astronomical Society, 2015, 452, 54-68.	1.6	182
186	STARS, GAS, AND DARK MATTER IN THE SOLAR NEIGHBORHOOD. Astrophysical Journal, 2015, 814, 13.	1.6	193
187	CARMA CO OBSERVATIONS OF THREE EXTREMELY METAL-POOR, STAR-FORMING GALAXIES. Astrophysical Journal, 2015, 814, 30.	1.6	7
188	THE MOLECULAR BARYON CYCLE OF M82. Astrophysical Journal, 2016, 830, 72.	1.6	12
189	SPATIALLY RESOLVED SPECTROSCOPY OF SUBMILLIMETER GALAXIES AT $z\hat{A}^{*}$. Astrophysical Journal, 2016, 827, 57.	1.6	13
190	THE MOLECULAR CLOUDS FUELING A 1/5 SOLAR METALLICITY STARBURST. Astrophysical Journal, 2016, 828, 50.	1.6	21
191	LIGHTING THE DARK MOLECULAR GAS: H ₂ AS A DIRECT TRACER. Astrophysical Journal, 2016, 830, 18.	1.6	28
192	COPSS II: THE MOLECULAR GAS CONTENT OF TEN MILLION CUBIC MEGAPARSECS AT REDSHIFT z â^¼Â3. Astrophysical Journal, 2016, 830, 34.	1.6	79
193	THE GALACTIC CENSUS OF HIGH- AND MEDIUM-MASS PROTOSTARS. III. ¹² CO MAPS AND PHYSICAL PROPERTIES OF DENSE CLUMP ENVELOPES AND THEIR EMBEDDING GMCs. Astrophysical Journal, 2016, 831, 67.	1.6	18
194	THE SCALING RELATIONS AND STAR FORMATION LAWS OF MINI-STARBURST COMPLEXES. Astrophysical Journal, 2016, 833, 23.	1.6	35
195	NEW CONSTRAINTS ON THE MOLECULAR GAS IN THE PROTOTYPICAL HyLIRGs BRI 1202–0725 AND BRI 1335–0417. Astrophysical Journal, 2016, 830, 63.	1.6	8
196	Measures of galaxy dust and gas mass with <i>Herschel</i> photometry and prospects for ALMA. Astronomy and Astrophysics, 2016, 587, A73.	2.1	80
197	STAR FORMATION SUPPRESSION DUE TO JET FEEDBACK IN RADIO GALAXIES WITH SHOCKED WARM MOLECULAR GAS. Astrophysical Journal, 2016, 826, 29.	1.6	34
198	GRB 980425 host: [C II], [O I], and CO lines reveal recent enhancement of star formation due to atomic gas inflow. Astronomy and Astrophysics, 2016, 595, A72.	2.1	29
199	Modelling mechanical heating in star-forming galaxies: CO and13CO Line ratios as sensitive probes. Astronomy and Astrophysics, 2016, 595, A125.	2.1	4

#	Article	IF	Citations
200	High-resolution HI and CO observations of high-latitude intermediate-velocity clouds. Astronomy and Astrophysics, 2016, 592, A142.	2.1	7
201	Sub-kpc star formation law in the local luminous infrared galaxy IC 4687 as seen by ALMA. Astronomy and Astrophysics, 2016, 587, A44.	2.1	16
202	Star formation efficiency along the radio jet in Centaurus A. Astronomy and Astrophysics, 2016, 586, A45.	2.1	31
203	Unveiling the origin of HESS J1809â~'193. Astronomy and Astrophysics, 2016, 587, A71.	2.1	13
204	GAS DYNAMICS AND OUTFLOW IN THE BARRED STARBURST GALAXY NGC 1808 REVEALED WITH ALMA. Astrophysical Journal, 2016, 823, 68.	1.6	46
205	A milestone toward understanding PDR properties in the extreme environment of LMC-30 Doradus. Astronomy and Astrophysics, 2016, 590, A36.	2.1	48
206	KMOS3D: DYNAMICAL CONSTRAINTS ON THE MASS BUDGET IN EARLY STAR-FORMING DISKS*. Astrophysical Journal, 2016, 831, 149.	1.6	83
207	THE ALMA SPECTROSCOPIC SURVEY IN THE HUBBLE ULTRA DEEP FIELD: MOLECULAR GAS RESERVOIRS IN HIGH-REDSHIFT GALAXIES. Astrophysical Journal, 2016, 833, 70.	1.6	89
208	HIGHEST REDSHIFT IMAGE OF NEUTRAL HYDROGEN IN EMISSION: A CHILES DETECTION OF A STARBURSTING GALAXY AT $z = 0.376$. Astrophysical Journal Letters, 2016, 824, L1.	3.0	89
209	THE CARMA PAIRED ANTENNA CALIBRATION SYSTEM: ATMOSPHERIC PHASE CORRECTION FOR MILLIMETER WAVE INTERFEROMETRY AND ITS APPLICATION TO MAPPING THE ULTRALUMINOUS GALAXY ARP 193. Astronomical Journal, 2016, 151, 18.	1.9	4
210	A three-dimensional He–CO potential energy surface with improved long-range behavior. Journal of Molecular Spectroscopy, 2016, 330, 211-216.	0.4	3
211	EVOLUTION OF MOLECULAR AND ATOMIC GAS PHASES IN THE MILKY WAY. Astrophysical Journal, 2016, 823, 76.	1.6	46
212	AFTER THE INTERACTION: AN EFFICIENTLY STAR-FORMING MOLECULAR DISK IN NGC 5195. Astrophysical Journal, 2016, 830, 137.	1.6	10
213	Star-forming dwarf galaxies in the Virgo cluster: the link between molecular gas, atomic gas, and dust. Astronomy and Astrophysics, 2016, 590, A27.	2.1	29
214	Three-dimensional distribution of hydrogen fluoride gas toward NGC 6334 I and I(N). Astronomy and Astrophysics, 2016, 593, A37.	2.1	8
215	Molecular gas in the halo fuels the growth of a massive cluster galaxy at high redshift. Science, 2016, 354, 1128-1130.	6.0	67
216	A UNIFORM CATALOG OF MOLECULAR CLOUDS IN THE MILKY WAY. Astrophysical Journal, 2016, 822, 52.	1.6	129
217	HIGHMASS—HIGH H iÂMASS, H i-RICH GALAXIES AT ZÂâ^¼Â0: COMBINED H iÂAND H ₂ OBSERVAT Astronomical Journal, 2016, 152, 225.	iqns.	10

#	Article	IF	CITATIONS
218	CSO AND CARMA OBSERVATIONS OF L1157. II. CHEMICAL COMPLEXITY IN THE SHOCKED OUTFLOW. Astrophysical Journal, 2016, 827, 21.	1.6	20
219	EXPANDING MOLECULAR BUBBLE SURROUNDING TYCHO'S SUPERNOVA REMNANT (SN 1572) OBSERVED W THE IRAM 30 m TELESCOPE: EVIDENCE FOR A SINGLE-DEGENERATE PROGENITOR. Astrophysical Journal, 2016, 826, 34.	/ITH 1.6	44
220	CONNECTING CO INTENSITY MAPPING TO MOLECULAR GAS AND STAR FORMATION IN THE EPOCH OF GALAXY ASSEMBLY. Astrophysical Journal, 2016, 817, 169.	1.6	100
221	Carbon monoxide in an extremely metal-poor galaxy. Nature Communications, 2016, 7, 13789.	5.8	34
222	THE INTRINSIC ABUNDANCE RATIO AND X-FACTOR OF CO ISOTOPOLOGUES IN L 1551 SHIELDED FROM FUV PHOTODISSOCIATION. Astrophysical Journal, 2016, 826, 193.	1.6	18
223	Molecular gas and star formation in the tidal dwarf galaxy VCC 2062. Astronomy and Astrophysics, 2016, 590, A92.	2.1	12
224	Formation of H ₂ -He substellar bodies in cold conditions. Astronomy and Astrophysics, 2016, 591, A100.	2.1	4
225	PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XVI. STAR CLUSTER FORMATION EFFICIENCY AND THE CLUSTERED FRACTION OF YOUNG STARS. Astrophysical Journal, 2016, 827, 33.	1.6	84
226	<i>HST</i> imaging of the dusty filaments and nucleus swirl in NGC4696 at the centre of the Centaurus Cluster. Monthly Notices of the Royal Astronomical Society, 2016, 461, 922-928.	1.6	23
227	THE MOLECULAR WIND IN THE NEAREST SEYFERT GALAXY CIRCINUS REVEALED BY ALMA. Astrophysical Journal, 2016, 832, 142.	1.6	39
228	Understanding star formation in molecular clouds. Astronomy and Astrophysics, 2016, 587, A74.	2.1	52
229	TOWARD PRECISION BLACK HOLE MASSES WITH ALMA: NGC 1332 AS A CASE STUDY IN MOLECULAR DISK DYNAMICS. Astrophysical Journal, 2016, 823, 51.	1.6	33
230	THE KENNICUTT–SCHMIDT RELATION IN EXTREMELY METAL-POOR DWARF GALAXIES. Astrophysical Journal, 2016, 820, 109.	1.6	26
231	ISM MASSES AND THE STAR FORMATION LAW AT ZÂ=Â1 TO 6: ALMA OBSERVATIONS OF DUST CONTINUUM IN 145 GALAXIES IN THE COSMOS SURVEY FIELD. Astrophysical Journal, 2016, 820, 83.	1.6	382
232	Star formation and molecular hydrogen in dwarf galaxies: a non-equilibrium view. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3528-3553.	1.6	109
233	Synthetic observations of molecular clouds in a galactic centre environment – I. Studying maps of column density and integrated intensity. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3763-3778.	1.6	16
234	The effects of metallicity, UV radiation and non-equilibrium chemistry in high-resolution simulations of galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 458, 270-292.	1.6	47
235	FIRST CONNECTION BETWEEN COLD GAS IN EMISSION AND ABSORPTION: CO EMISSION FROM A GALAXY–QUASAR PAIR. Astrophysical Journal Letters, 2016, 820, L39.	3.0	31

#	Article	IF	CITATIONS
236	The Fundamental Plane of star formation in galaxies revealed by the EAGLE hydrodynamical simulations. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2632-2650.	1.6	84
237	NUMERICAL SIMULATIONS OF TURBULENT MOLECULAR CLOUDS REGULATED BY RADIATION FEEDBACK FORCES. I. STAR FORMATION RATE AND EFFICIENCY. Astrophysical Journal, 2016, 829, 130.	1.6	75
238	MORPHOLOGY AND MOLECULAR GAS FRACTIONS OF LOCAL LUMINOUS INFRARED GALAXIES AS A FUNCTION OF INFRARED LUMINOSITY AND MERGER STAGE. Astrophysical Journal, 2016, 825, 128.	1.6	78
239	THE STAR FORMATION RATE EFFICIENCY OF NEUTRAL ATOMIC-DOMINATED HYDROGEN GAS IN THE OUTSKIRTS OF STAR-FORMING GALAXIES FROM z $\hat{a}^{1}/_{4}$ 1 TO z $\hat{a}^{1}/_{4}$ 3. Astrophysical Journal, 2016, 825, 87.	1.6	25
240	Three-dimensional distribution of the ISM in the Milky Way Galaxy. IV. 3D molecular fraction and Galactic-scale H <scp>i</scp> -to-H2 transition. Publication of the Astronomical Society of Japan, 2016, 68, .	1.0	26
241	Interstellar Hydrides. Annual Review of Astronomy and Astrophysics, 2016, 54, 181-225.	8.1	102
242	SHOCKED POSTSTARBURST GALAXY SURVEY. II. THE MOLECULAR GAS CONTENT AND PROPERTIES OF A SUBSET OF SPOGs. Astrophysical Journal, 2016, 827, 106.	1.6	50
243	THE DISTANT OUTER GAS ARM BETWEEN lÂ=Â35° AND lÂ=Â45°. Astrophysical Journal, 2016, 828, 59.	1.6	15
244	PROPERTIES OF THE INTERSTELLAR MEDIUM IN STAR-FORMING GALAXIES AT zÂâ^1⁄4Â1.4 REVEALED WITH ALMA. Astrophysical Journal, 2016, 819, 82.	1.6	22
245	Spectroscopy and perturbation analysis of the A ¹ ï€ (v=0) state of ¹³ C ¹⁶ O. Molecular Physics, 2016, 114, 2857-2867.	0.8	12
246	Investigating the relation between CO (3–2) and far-infrared luminosities for nearby merging galaxies using ASTE. Publication of the Astronomical Society of Japan, 2016, 68, .	1.0	15
247	THE RELATIONSHIP BETWEEN MOLECULAR GAS, H i, AND STAR FORMATION IN THE LOW-MASS, LOW-METALLICITY MAGELLANIC CLOUDS. Astrophysical Journal, 2016, 825, 12.	1.6	58
248	RECONCILING THE STELLAR AND NEBULAR SPECTRA OF HIGH-REDSHIFT GALAXIES*. Astrophysical Journal, 2016, 826, 159.	1.6	314
249	The Bluedisk survey: molecular gas distribution and scaling relations in the context of galaxy evolution. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1724-1739.	1.6	11
250	Improved cosmic-ray injection models and the Galactic Center gamma-ray excess. Physical Review D, 2016, 94, .	1.6	39
251	SHIELD: COMPARING GAS AND STAR FORMATION IN LOW-MASS GALAXIES. Astrophysical Journal, 2016, 832, 85.	1.6	28
252	A TOTAL MOLECULAR GAS MASS CENSUS IN Z â^¼ 2–3 STAR-FORMING GALAXIES: LOW-J CO EXCITATION PRC OF GALAXIES' EVOLUTIONARY STATES. Astrophysical Journal, 2016, 827, 18.	DBES	62
253	OBSERVATIONAL EVIDENCE OF DYNAMIC STAR FORMATION RATE IN MILKY WAY GIANT MOLECULAR CLOUDS. Astrophysical Journal, 2016, 833, 229.	1.6	106

#	Article	IF	CITATIONS
254	ALMA SPECTROSCOPIC SURVEY IN THE HUBBLE ULTRA DEEP FIELD: CO LUMINOSITY FUNCTIONS AND THE EVOLUTION OF THE COSMIC DENSITY OF MOLECULAR GAS. Astrophysical Journal, 2016, 833, 69.	1.6	97
255	ALMA SPECTROSCOPIC SURVEY IN THE HUBBLE ULTRA DEEP FIELD: SURVEY DESCRIPTION. Astrophysical Journal, 2016, 833, 67.	1.6	172
256	THE LOCATION, CLUSTERING, AND PROPAGATION OF MASSIVE STAR FORMATION IN GIANT MOLECULAR CLOUDS. Astrophysical Journal, 2016, 832, 43.	1.6	13
257	ALMA REVEALS WEAK [N ii] EMISSION IN "TYPICAL―GALAXIES AND INTENSE STARBURSTS AT zÂ=Â5–6. Astrophysical Journal, 2016, 832, 151.	1.6	63
258	Lord of the Rings – Return of the King: <i>Swift</i> -XRT observations of dust scattering rings around V404 Cygni. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1847-1863.	1.6	16
259	Dense Cloud Cores revealed by ALMA CO observations in the low metallicity dwarf galaxy WLM. Proceedings of the International Astronomical Union, 2016, 11, 229-231.	0.0	0
260	AN EXPLORATION OF THE STATISTICAL SIGNATURES OF STELLAR FEEDBACK. Astrophysical Journal, 2016, 833, 233.	1.6	13
261	High-velocity extended molecular outflow in the star-formation dominated luminous infrared galaxy ESO 320-G030. Astronomy and Astrophysics, 2016, 594, A81.	2.1	34
262	MOLECULAR GAS ALONG A BRIGHT Hα FILAMENT IN 2A 0335+096 REVEALED BY ALMA. Astrophysical Journal, 2016, 832, 148.	1.6	48
263	Sub-mm emission line deep fields: CO and [C ii] luminosity functions out to <i>z</i> = 6. Monthly Notices of the Royal Astronomical Society, 2016, 461, 93-110.	1.6	51
264	Physical properties of CO-dark molecular gas traced by C ⁺ . Astronomy and Astrophysics, 2016, 593, A42.	2.1	24
265	Cold, clumpy accretion onto an active supermassive black hole. Nature, 2016, 534, 218-221.	13.7	137
266	Galaxy gas flows inferred from a detailed, spatially resolved metal budget. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1218-1236.	1.6	31
267	ALMA probes the molecular gas reservoirs in the changing-look Seyfert galaxy MrkÂ590. Monthly Notices of the Royal Astronomical Society, 2016, 455, 2745-2764.	1.6	14
268	Is atomic carbon a good tracer of molecular gas in metal-poor galaxies?. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3596-3609.	1.6	76
269	The JCMT nearby galaxies legacy survey – X. Environmental effects on the molecular gas and star formation properties of spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 456, 4384-4406.	1.6	36
270	A survey of the cold molecular gas in gravitationally lensed star-forming galaxies at <i>z</i> > 2. Monthly Notices of the Royal Astronomical Society, 2016, 457, 4406-4420.	1.6	118
271	Galactic Centre hypershell model for the North Polar Spurs. Monthly Notices of the Royal Astronomical Society, 2016, 459, 108-120.	1.6	22

#	Article	IF	CITATIONS
272	Molecular environment, reverberation, and radiation from the pulsar wind nebula in CTA 1. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3868-3879.	1.6	27
273	High-resolution mapping of dust via extinction in the M31 bulge. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2262-2273.	1.6	18
274	Early Science with the Large Millimeter Telescope: COOL BUDHIES I – a pilot study of molecular and atomic gas at <i>z</i> ≃ 0.2. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3287-3306.	1.6	33
275	How well does CO emission measure the H _{2} mass of MCs?. Monthly Notices of the Royal Astronomical Society, 2016, 460, 82-102.	1.6	33
276	Spatially resolved radio-to-far-infrared SED of the luminous merger remnant NGC 1614 with ALMA and VLA. Publication of the Astronomical Society of Japan, 2016, 68, .	1.0	14
277	CO-to-H2 conversion factor of molecular clouds using X-ray shadows. Publication of the Astronomical Society of Japan, 2016, 68, .	1.0	6
278	INFRARED SPECTRAL ENERGY DISTRIBUTION DECOMPOSITION OF WISE-SELECTED, HYPERLUMINOUS HOT DUST-OBSCURED GALAXIES. Astrophysical Journal, 2016, 823, 107.	1.6	48
279	Star formation laws in the Andromeda galaxy: gas, stars, metals and the surface density of star formation. Monthly Notices of the Royal Astronomical Society, 2016, 456, 4128-4144.	1.6	33
280	Chemical evolution of giant molecular clouds in simulations of galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2297-2321.	1.6	15
281	What powers the starburst activity of NGC 1068? Star-driven gravitational instabilities caught in the act. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2360-2367.	1.6	38
282	SImulator of GAlaxy Millimetre/submillimetre Emission (sÃgame): CO emission from massive <i>z</i> Â=Â2 main-sequence galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3306-3333.	1.6	13
283	Is turbulence in the interstellar medium driven by feedback or gravity? An observational test. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1671-1677.	1.6	130
284	Testing the molecular-hydrogen Kennicutt–Schmidt law in the low-density environments of extended ultraviolet disc galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1807-1818.	1.6	15
285	Effects of galactic disc inclination and resolution on observed GMC properties and Larson's scaling relations. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2443-2453.	1.6	13
286	ALMA observations of cold molecular gas filaments trailing rising radio bubbles in PKSÂ0745â^'191. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3134-3149.	1.6	72
287	Early science with the Large Millimeter Telescope: observations of extremely luminous high- <i>z</i> sources identified by <i>Planck</i> . Monthly Notices of the Royal Astronomical Society, 2016, 458, 4383-4399.	1.6	51
288	Molecular gas as the driver of fundamental galactic relations. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1156-1170.	1.6	59
289	The dust properties and physical conditions of the interstellar medium in the LMC massive star-forming complex N11. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1767-1790.	1.6	12

#	Article	IF	CITATIONS
290	CHIMPS: the ¹³ CO/C ¹⁸ O (<i>J</i> Â=Â3Â→Â2) Heterodyne Inner Milky Way Plane Sur Monthly Notices of the Royal Astronomical Society, 2016, 456, 2885-2899.	vey. 1.6	76
291	The Carina Nebula and Gum 31 molecular complex – I. Molecular gas distribution, column densities, and dust temperatures. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2406-2424.	1.6	37
292	Hydrogenation of CO-bearing species on grains: unexpected chemical desorption of CO. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2953-2961.	1.6	54
293	The high-energy gamma-ray detection of G73.9+0.9, a supernova remnant interacting with a molecular cloud. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1451-1458.	1.6	11
294	Giant molecular cloud scaling relations: the role of the cloud definition. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1782-1795.	1.6	24
295	KINETIC TOMOGRAPHY. I. A METHOD FOR MAPPING THE MILKY WAY'S INTERSTELLAR MEDIUM IN FOUR DIMENSIONS. Astronomical Journal, 2017, 153, 8.	1.9	14
296	PHYSICAL PROPERTIES OF MOLECULAR CLOUDS FOR THE ENTIRE MILKY WAY DISK. Astrophysical Journal, 2017, 834, 57.	1.6	234
297	Molecular Environments of ThreeÂLarge Supernova Remnants in the Third Galactic Quadrant: G205.5+0.5, G206.9+2.3, and G213.0–0.6. Astrophysical Journal, 2017, 836, 211.	1.6	15
298	Alma Observations of Massive Molecular Gas Filaments Encasing Radio Bubbles in the Phoenix Cluster. Astrophysical Journal, 2017, 836, 130.	1.6	79
299	Physical Properties of Molecular Clouds at 2 pc Resolution in the Low-metallicity Dwarf Galaxy NGC 6822 and the Milky Way. Astrophysical Journal, 2017, 835, 278.	1.6	69
300	The ALMA View of the OMC1 Explosion in Orion. Astrophysical Journal, 2017, 837, 60.	1.6	75
301	Bars as seen by <i>Herschel</i> and Sloan. Astronomy and Astrophysics, 2017, 598, A114.	2.1	12
302	Cosmic-ray Induced Destruction of CO in Star-forming Galaxies. Astrophysical Journal, 2017, 839, 90.	1.6	92
303	Molecular Gas Dominated 50 kpc Ram Pressure Stripped Tail of the Coma Galaxy D100 [*] . Astrophysical Journal, 2017, 839, 114.	1.6	68
304	The Star-formation Law in Galactic High-mass Star-forming Molecular Clouds. Astrophysical Journal, 2017, 839, 113.	1.6	9
305	Wide-field ¹² CO () and ¹³ CO () Observations toward the Aquila Rift and Serpens Molecular Cloud Complexes. I. Molecular Clouds and Their Physical Properties. Astrophysical Journal, 2017, 837, 154.	1.6	16
306	Luminous Infrared Galaxies with the Submillimeter Array. V. Molecular Gas in Intermediate to Late-stage Mergers. Astrophysical Journal, 2017, 840, 8.	1.6	18
307	Characterizing the Transition from Diffuse Atomic to Dense Molecular Clouds in the Magellanic Clouds with [C ii], [C i], and CO. Astrophysical Journal, 2017, 839, 107.	1.6	32

#	Article	IF	CITATIONS
308	Neutral Carbon Emission in Luminous Infrared Galaxies: The [C i] Lines as Total Molecular Gas Tracers ^{â^—} . Astrophysical Journal Letters, 2017, 840, L18.	3.0	53
309	The Presence of Thermally Unstable X-Ray Filaments and the Production of Cold Gas in the NGC 5044 Group. Astrophysical Journal, 2017, 842, 84.	1.6	24
310	Molecular gas, dust, and star formation in galaxies. Astronomy and Astrophysics, 2017, 602, A68.	2.1	26
311	Cosmic rays, gas and dust in nearby anticentre clouds. Astronomy and Astrophysics, 2017, 601, A78.	2.1	49
312	Extended Gamma-Ray Emission from the G25.0+0.0 Region: A Star-forming Region Powered by the Newly Found OB Association?. Astrophysical Journal, 2017, 839, 129.	1.6	21
313	Using CO line ratios to trace the physical properties of molecular clouds. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2277-2285.	1.6	36
314	An ALMA survey of submillimetre galaxies in the COSMOS field: The extent of the radio-emitting region revealed by 3 GHz imaging with the Very Large Array. Astronomy and Astrophysics, 2017, 602, A54.	2.1	24
315	Molecular Clouds in the Extreme Outer Galaxy between lÂ=Â34.°75 to 45.°25. Astrophysical Journal, Supplement Series, 2017, 230, 17.	3.0	21
316	Diffuse <i>\hat{I}^3 </i> -ray emission near the young massive cluster NGC 3603. Astronomy and Astrophysics, 2017, 600, A107.	2.1	24
317	Multi-molecular views of a stellar nursery. Nature, 2017, 546, 37-39.	13.7	0
318	Dust Abundance Variations in the Magellanic Clouds: Probing the Life-cycle of Metals with All-sky Surveys. Astrophysical Journal, 2017, 841, 72.	1.6	31
319	AGN wind scaling relations and the co-evolution of black holes and galaxies. Astronomy and Astrophysics, 2017, 601, A143.	2.1	349
320	No Evidence for Feedback: Unexceptional Low-ionization Winds in Host Galaxies of Low Luminosity Active Galactic Nuclei at Redshift z â^¼ 1. Astrophysical Journal, 2017, 841, 83.	1.6	11
321	Rotating Starburst Cores in Massive Galaxies at zÂ=Â2.5. Astrophysical Journal Letters, 2017, 841, L25.	3.0	67
322	ALMA reveals starburst-like interstellar medium conditions in a compact star-forming galaxy at <i>z</i> ~ 2 using [CI] and CO. Astronomy and Astrophysics, 2017, 602, A11.	2.1	62
323	SEDIGISM: Structure, excitation, and dynamics of the inner Galactic interstellar medium. Astronomy and Astrophysics, 2017, 601, A124.	2.1	79
324	The Dense Molecular Gas and Nuclear Activity in the ULIRG IRAS 13120–5453. Astrophysical Journal, 2017, 835, 213.	1.6	25
325	What Sets the Massive Star Formation Rates and Efficiencies of Giant Molecular Clouds?. Astrophysical Journal, 2017, 841, 109.	1.6	38

#	Article	IF	CITATIONS
326	Excess Galactic Molecular Absorption Toward the Radio Galaxy 3C 111. Astrophysical Journal, 2017, 842, 64.	1.6	2
327	A Radio-to-mm Census of Star-forming Galaxies in Protocluster 4C23.56 at ZÂ=Â2.5: Gas Mass and Its Fraction Revealed with ALMA. Astrophysical Journal, 2017, 842, 55.	1.6	34
328	The anatomy of the Orion B giant molecular cloud: A local template for studies of nearby galaxies. Astronomy and Astrophysics, 2017, 599, A98.	2.1	135
329	High Dense Gas Fraction in a Gas-rich Star-forming Galaxy at zÂ=Â1.2 ^{â^—} . Astrophysical Journal, 2017, 838, 136.	1.6	6
330	H i, CO, and Dust in the Perseus Cloud. Astrophysical Journal, 2017, 838, 132.	1.6	31
331	H ₂ , CO, and Dust Absorption through Cold Molecular Clouds. Astrophysical Journal, 2017, 838, 66.	1.6	25
332	DustPedia: A Definitive Study of Cosmic Dust in the Local Universe. Publications of the Astronomical Society of the Pacific, 2017, 129, 044102.	1.0	88
333	Evolution of Interstellar Medium, Star Formation, and Accretion at High Redshift. Astrophysical Journal, 2017, 837, 150.	1.6	262
334	Large molecular gas reservoirs in ancestors of Milky Way-mass galaxies nine billion years ago. Nature Astronomy, 2017, 1, .	4.2	31
335	The star-forming complex LMC-N79 as a future rival to 30 Doradus. Nature Astronomy, 2017, 1, 784-790.	4.2	26
336	AGN feedback on molecular gas reservoirs in quasars at <i>z </i> ~ 2.4. Astronomy and Astrophysics, 2017, 605, A105.	2.1	36
337	Tracing the Cosmological Evolution of Stars and Cold Gas with CMB Spectral Surveys. Astrophysical Journal, 2017, 838, 82.	1.6	16
338	Interstellar gas towards the TeV γ-ray sources HESS J1640â^'465 and HESS J1641â^'463. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3757-3774.	1.6	16
339	Predicting HCN, HCO ⁺ , multi-transition CO, and dust emission of star-forming galaxies. Astronomy and Astrophysics, 2017, 602, A51.	2.1	17
340	Dust Emission at 8 and 24 μm as Diagnostics of H ii Region Radiative Transfer. Astrophysical Journal, 2017, 844, 63.	1.6	7
341	PHIBSS: exploring the dependence of the CO–H2 conversion factor on total mass surface density at z<1.5. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4886-4901.	1.6	20
342	SPIRITS: Uncovering Unusual Infrared Transients with Spitzer. Astrophysical Journal, 2017, 839, 88.	1.6	75
343	Herschel and Hubble Study of a Lensed Massive Dusty Starbursting Galaxy at z â^¼ 3 ^{â^—} . Astrophysical Journal, 2017, 844, 82.	1.6	12

#	Article	IF	CITATIONS
344	Integral field spectroscopy of nearby quasi-stellar objects – II. Molecular gas content and conditions for star formation. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1570-1586.	1.6	38
345	ALMA observations of cold molecular gas in AGN hosts at z â^¼ 1.5 – evidence of AGN feedback?. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4205-4215.	1.6	48
346	A statistical study of giant molecular clouds traced by 13CO, C18O, CS, and CH3OH in the disk of NGC 1068 based on ALMA observations. Publication of the Astronomical Society of Japan, 2017, 69, .	1.0	13
347	A Multi-wavelength Study of the Turbulent Central Engine of the Low-mass AGN Hosted by NGC 404. Astrophysical Journal, 2017, 845, 50.	1.6	29
348	Is HESS J1912+101 Associated with an Old Supernova Remnant?. Astrophysical Journal, 2017, 845, 48.	1.6	16
349	VALES I: the molecular gas content in star-forming dusty H-ATLAS galaxies up to z = 0.35. Monthly Notices of the Royal Astronomical Society, 2017, 470, 3775-3805.	1.6	27
350	CO excitation in the Seyfert galaxy NGC 7130. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 470, L64-L68.	1.2	20
351	A Study of the Interstellar Medium Towards the Unidentified Dark TeV γ-Ray Sources HESS J1614–518 and HESS J1616–508. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	6
352	Spatially Resolved CO SLED of the Luminous Merger Remnant NGC 1614 with ALMA. Astrophysical Journal, 2017, 835, 174.	1.6	23
353	A Spatially Resolved Study of Cold Dust, Molecular Gas, H ii Regions, and Stars in the zÂ=Â2.12 Submillimeter Galaxy ALESS67.1. Astrophysical Journal, 2017, 846, 108.	1.6	71
354	Insights from Synthetic Star-forming Regions. II. Verifying Dust Surface Density, Dust Temperature, and Gas Mass Measurements With Modified Blackbody Fitting. Astrophysical Journal, 2017, 849, 1.	1.6	7
355	A Universal Correlation between Star Formation Activity and Molecular Gas Properties Across Environments. Astrophysical Journal, 2017, 847, 137.	1.6	20
356	Scale-invariant Cosmology and CMB Temperatures as a Function of Redshifts. Astrophysical Journal, 2017, 847, 65.	1.6	7
357	Gas Mass Tracers in Protoplanetary Disks: CO is Still the Best. Astrophysical Journal, 2017, 849, 130.	1.6	54
358	Kinematics of the ionized and molecular gas in nearby luminous infrared interacting galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3461-3474.	1.6	5
359	A 33 GHz Survey of Local Major Mergers: Estimating the Sizes of the Energetically Dominant Regions from High-resolution Measurements of the Radio Continuum. Astrophysical Journal, 2017, 843, 117.	1.6	37
360	Star formation in nearby early-type galaxies: the radio continuum perspective. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1029-1064.	1.6	27
361	ALMA observations of the dense and shocked gas in the nuclear region of NGC 4038 (Antennae) Tj ETQq1 1	0.784314	rggT /Overlo

#	Article	IF	CITATIONS
362	Quasar Feedback in the Ultraluminous Infrared Galaxy F11119+3257: Connecting the Accretion Disk Wind with the Large-scale Molecular Outflow. Astrophysical Journal, 2017, 843, 18.	1.6	108
363	CO-dark molecular gas at high redshift: very large H2 content and high pressure in a low-metallicity damped Lyman alpha system. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2890-2910.	1.6	54
364	Molecular gas in supernova local environments unveiled by EDGE. Monthly Notices of the Royal Astronomical Society, 2017, 468, 628-644.	1.6	21
365	A Simple and Accurate Network for Hydrogen and Carbon Chemistry in the Interstellar Medium. Astrophysical Journal, 2017, 843, 38.	1.6	78
366	¹² CO(JÂ=Â1 0) On-the-fly Mapping Survey of the Virgo Cluster Spirals. II. Molecular Gas Properties in Different Density Environments. Astrophysical Journal, 2017, 843, 50.	1.6	12
367	Interstellar and intergalactic gas in the far IR and submillimeter spectral ranges. Physics-Uspekhi, 2017, 60, 961-993.	0.8	7
368	Early Science with the Large Millimeter Telescope: discovery of the ¹² CO(1–0) emission line in the ring galaxy VIIZw466. Monthly Notices of the Royal Astronomical Society, 2017, 466, 574-580.	1.6	5
369	ALMA observations of atomic carbon in <i>z</i> Ââ^¼Â4 dusty star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2825-2841.	1.6	94
370	UVI colour gradients of 0.4Â<ÂzÂ<Â1.4 star-forming main-sequence galaxies in CANDELS: dust extinction and star formation profiles. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4063-4082.	1.6	35
371	X-ray spectroscopy of the zÂ=Â6.4 quasar SDSS J1148+5251. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3590-3597.	1.6	21
372	Feeding cosmic star formation: exploring high-redshift molecular gas with CO intensity mapping. Monthly Notices of the Royal Astronomical Society, 2017, 468, 741-750.	1.6	19
373	A unified model for the maximum mass scales of molecular clouds, stellar clusters and high-redshift clumps. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1282-1298.	1.6	78
374	Molecular gas during the post-starburst phase: low gas fractions in green-valley Seyfert post-starburst galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 469, 3015-3030.	1.6	17
375	Supernovae and the Chemical Evolution of Galaxies. , 2017, , 2455-2471.		Ο
376	ALMA Observations of Gas-rich Galaxies in zÂâ^¼Â1.6 Galaxy Clusters: Evidence for Higher Gas Fractions in High-density Environments. Astrophysical Journal Letters, 2017, 842, L21.	3.0	67
377	Gas Content and Kinematics in Clumpy, Turbulent Star-forming Disks. Astrophysical Journal, 2017, 846, 35.	1.6	18
378	Cloud-scale ISM Structure and Star Formation in M51. Astrophysical Journal, 2017, 846, 71.	1.6	119
379	Warm and cold molecular gas conditions modelled in 87 galaxies observed by the Herschel SPIRE Fourier transform spectrometer. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2917-2931.	1.6	18

#	Article	IF	CITATIONS
380	A Kennicutt–Schmidt relation at molecular cloud scales and beyond. Monthly Notices of the Royal Astronomical Society, 2017, 468, 920-926.	1.6	15
381	Using dust, gas and stellar mass-selected samples to probe dust sources and sinks in low-metallicity galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1743-1765.	1.6	63
382	Massive Quenched Galaxies at zÂâ^1⁄4Â0.7 Retain Large Molecular Gas Reservoirs. Astrophysical Journal Letters, 2017, 846, L14.	3.0	58
383	ALMA Observations of the Physical and Chemical Conditions in Centaurus A. Astrophysical Journal, 2017, 851, 76.	1.6	12
384	Variations between Dust and Gas in the Diffuse Interstellar Medium. III. Changes in Dust Properties. Astrophysical Journal, 2017, 851, 119.	1.6	10
385	The varying mass distribution of molecular clouds across M83. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1769-1781.	1.6	55
386	Observational evidence for constant gas accretion rate since <i>z</i> = 5. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 471, L101-L104.	1.2	9
387	A ¹³ CO Detection in a Brightest Cluster Galaxy. Astrophysical Journal, 2017, 848, 101.	1.6	25
388	Molecular Gas and Star-formation in Low Surface Brightness Galaxies. Astronomical Journal, 2017, 154, 116.	1.9	10
389	Star Formation Activity Beyond the Outer Arm. I. WISE-selected Candidate Star-forming Regions. Astronomical Journal, 2017, 154, 163.	1.9	5
390	The EDGE-CALIFA Survey: Interferometric Observations of 126 Galaxies with CARMA. Astrophysical Journal, 2017, 846, 159.	1.6	136
391	Deep CO(1–0) Observations of zÂ=Â1.62 Cluster Galaxies with Substantial Molecular Gas Reservoirs and Normal Star Formation Efficiencies. Astrophysical Journal, 2017, 849, 27.	1.6	58
392	The EDGE–CALIFA Survey: Variations in the Molecular Gas Depletion Time in Local Galaxies. Astrophysical Journal, 2017, 849, 26.	1.6	64
393	CARMA Survey toward Infrared-bright Nearby Galaxies (STING). IV. Spatially Resolved ¹³ CO in Spiral Galaxies. Astrophysical Journal, 2017, 847, 33.	1.6	14
394	Evolution of Molecular Clouds in the Superwind Galaxy NGC 1808 Probed by ALMA Observations. Astrophysical Journal, 2017, 849, 90.	1.6	13
395	ALMA Observations of a Quiescent Molecular Cloud in the Large Magellanic Cloud. Astrophysical Journal, 2017, 850, 139.	1.6	25
396	ALMA Pinpoints a Strong Overdensity of U/LIRGs in the Massive Cluster XCS J2215 at zÂ=Â1.46. Astrophysical Journal, 2017, 849, 154.	1.6	27
397	Detection of a Substantial Molecular Gas Reservoir in a Brightest Cluster Galaxy at zÂ=Â1.7. Astrophysical Journal Letters, 2017, 844, L17.	3.0	29

#	Article	IF	CITATIONS
398	On the Disappearance of a Cold Molecular Torus around the Low-luminosity Active Galactic Nucleus of NGC 1097. Astrophysical Journal Letters, 2017, 845, L5.	3.0	15
399	Dense CO in Mrk 71-A: Superwind Suppressed in a Young Super Star Cluster. Astrophysical Journal Letters, 2017, 849, L1.	3.0	35
400	New ALMA constraints on the star-forming interstellar medium at low metallicity: a 50Âpc view of the blue compact dwarf galaxy SBSÂ0335â ``052. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 468, L87-L91.	1.2	12
401	SILCC-Zoom: the dynamic and chemical evolution of molecular clouds. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4797-4818.	1.6	89
402	ALMA Resolves the Molecular Gas in a Young Low-metallicity Starburst Galaxy at zÂ=Â1.7. Astrophysical Journal Letters, 2017, 846, L22.	3.0	7
403	Close entrainment of massive molecular gas flows by radio bubbles in the central galaxy of Abell 1795. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4024-4037.	1.6	49
404	SDSS-IV MaNGA-resolved Star Formation and Molecular Gas Properties of Green Valley Galaxies: A First Look with ALMA and MaNGA. Astrophysical Journal, 2017, 851, 18.	1.6	47
405	VALES – III. The calibration between the dust continuum and interstellar gas content of star-forming galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 468, L103-L107.	1.2	34
406	ALMA multiline observations toward the central region of NGCÂ613. Publication of the Astronomical Society of Japan, 2017, 69, .	1.0	12
407	The mass–metallicity relation revisited with CALIFA. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2121-2140.	1.6	103
408	SOFIA/GREAT [C ii] observations in nearby clouds near the lines of sight towards B0355+508 and B0212+735. Astronomy and Astrophysics, 2017, 600, A94.	2.1	1
409	Star Formation Quenching in Quasar Host Galaxies. Frontiers in Astronomy and Space Sciences, 2017, 4, .	1.1	1
410	Radial distribution of dust, stars, gas, and star-formation rate in DustPedia face-on galaxies. Astronomy and Astrophysics, 2017, 605, A18.	2.1	93
411	What drives gravitational instability in nearby star-forming spirals? The impact of CO and H i velocity dispersions. Monthly Notices of the Royal Astronomical Society, 2017, 469, 286-294.	1.6	39
412	[C II] emission from L1630 in the Orion B molecular cloud. Astronomy and Astrophysics, 2017, 606, A29.	2.1	42
413	CO Multi-line Imaging of Nearby Galaxies (COMING). II. Transitions between atomic and molecular gas, diffuse and dense gas, gas and stars in the dwarf galaxy NGC 2976. Publication of the Astronomical Society of Japan, 2017, 69, .	1.0	3
414	The impact of a massive star cluster on its surrounding matter in the Antennae overlap region. Astronomy and Astrophysics, 2017, 600, A139.	2.1	10
415	Diversity of dwarf galaxy IR-submm emission patterns: CLUES from hydrodynamical simulations. Astronomy and Astrophysics, 2017, 603, A4.	2.1	4

-			_	
C 17		ON	REPOR	Τ.
	IAL		REPOR	

#	Article	IF	CITATIONS
416	Distribution and kinematics of atomic and molecular gas inside the solar circle. Astronomy and Astrophysics, 2017, 607, A106.	2.1	38
417	Molecular gas in the <i>Herschel</i> -selected strongly lensed submillimeter galaxies at <i>z</i> ~ 2–4 a probed by multi- <i>J</i> CO lines. Astronomy and Astrophysics, 2017, 608, A144.	^S 2.1	92
418	Inefficient jet-induced star formation in Centaurus A. Astronomy and Astrophysics, 2017, 608, A98.	2.1	20
419	The implications of the surprising existence of a large, massive CO disk in a distant protocluster. Astronomy and Astrophysics, 2017, 608, A48.	2.1	56
420	The Baryonic Collapse Efficiency of Galaxy Groups in the RESOLVE and ECO Surveys. Astrophysical Journal, 2017, 849, 20.	1.6	11
421	<i>Planck</i> 's dusty GEMS. Astronomy and Astrophysics, 2017, 604, A117.	2.1	28
422	Estimating the baryonic masses of face-on spiral galaxies from stellar kinematics. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1147-1156.	1.6	2
423	Physical conditions of the molecular gas in metal-poor galaxies. Astronomy and Astrophysics, 2017, 606, A99.	2.1	13
424	The fine line between normal and starburst galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2124-2142.	1.6	16
425	Molecular gas properties of a lensed star-forming galaxy at <i>z </i> ~ 3.6: a case study. Astronomy and Astrophysics, 2017, 605, A81.	2.1	41
426	Properties of the molecular gas in the fast outflow in the Seyfert galaxy IC 5063. Astronomy and Astrophysics, 2017, 608, A38.	2.1	60
427	CO-Dark Star Formation and Black Hole Activity in 3C 368 at zÂ=Â1.131: Coeval Growth of Stellar and Supermassive Black Hole Masses ^{â^—} ^{â€} . Astrophysical Journal, 2017, 836, 123.	1.6	6
428	Cold CO Gas in the Envelopes of FU Orionis-type Young Eruptive Stars. Astrophysical Journal, 2017, 836, 226.	1.6	13
429	Molecular gas on large circumgalactic scales at z = 3.47. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3468-3483.	1.6	44
430	Gas and stellar spiral arms and their offsets in the grand-design spiral galaxy M51. Monthly Notices of the Royal Astronomical Society, 2017, 465, 460-471.	1.6	21
431	ATCA detections of massive molecular gas reservoirs in dusty, high- <i>z</i> radio galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1297-1307.	1.6	1
432	Molecular Gas Properties in M83 from CO PDFs. Astrophysical Journal, 2018, 854, 90.	1.6	19
433	CO line ratios in molecular clouds: the impact of environment. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1508-1520.	1.6	30

#	Article	IF	CITATIONS
434	Spatially associated clump populations in Rosette from CO and dust maps. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2215-2235.	1.6	10
435	AGN outflows and feedback twenty years on. Nature Astronomy, 2018, 2, 198-205.	4.2	220
436	First Results from the Herschel and ALMA Spectroscopic Surveys of the SMC: The Relationship between [C ii]-bright Gas and CO-bright Gas at Low Metallicity*. Astrophysical Journal, 2018, 853, 111.	1.6	35
437	The Spectrum of the Universe. Applied Spectroscopy, 2018, 72, 663-688.	1.2	39
438	Massive, Absorption-selected Galaxies at Intermediate Redshifts. Astrophysical Journal Letters, 2018, 856, L23.	3.0	27
439	The parsec–scale relationship between ICO and AV in local molecular clouds. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4672-4708.	1.6	16
440	CO excitation in the Seyfert galaxy NGC 34: stars, shock or AGN driven?. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3640-3648.	1.6	22
441	Pillars of Creation among Destruction: Star Formation in Molecular Clouds near R136 in 30 Doradus. Astrophysical Journal, 2018, 852, 71.	1.6	14
442	The origin of fast molecular outflows in quasars: molecule formation in AGN-driven galactic winds. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3673-3699.	1.6	87
443	Full-disc 13CO(1–0) mapping across nearby galaxies of the EMPIRE survey and the CO-to-H2 conversion factor. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3909-3933.	1.6	55
444	Probing the Baryon Cycle of Galaxies with <i>SPICA</i> Mid- and Far-Infrared Observations. Publications of the Astronomical Society of Australia, 2018, 35, .	1.3	11
445	The Origin of Molecular Clouds in Central Galaxies. Astrophysical Journal, 2018, 853, 177.	1.6	70
446	A Model for the Onset of Self-gravitation and Star Formation in Molecular Gas Governed by Galactic Forces. I. Cloud-scale Gas Motions. Astrophysical Journal, 2018, 854, 100.	1.6	67
447	Extinction Maps and Dust-to-gas Ratios in Nearby Galaxies with LEGUS. Astrophysical Journal, 2018, 855, 133.	1.6	24
448	The Three-dimensional Spatial Distribution of Interstellar Gas in the Milky Way: Implications for Cosmic Rays and High-energy Gamma-ray Emissions. Astrophysical Journal, 2018, 856, 45.	1.6	47
449	On the Gas Content and Efficiency of AGN Feedback in Low-redshift Quasars. Astrophysical Journal, 2018, 854, 158.	1.6	78
450	A Model for Protostellar Cluster Luminosities and the Impact on the CO–H ₂ Conversion Factor. Astrophysical Journal, 2018, 854, 156.	1.6	6
451	CO line emission from galaxies in the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2018, 473, 271-285.	1.6	54

#	Article	IF	Citations
452	The EDGE–CALIFA survey: the influence of galactic rotation on the molecular depletion time across the Hubble sequence. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1791-1808.	1.6	48
453	ALMA observation of the disruption of molecular gas in M87. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3004-3009.	1.6	22
454	Resolved Star Formation Efficiency in the Antennae Galaxies. Astrophysical Journal, 2018, 862, 147.	1.6	13
455	The Evolution of Molecular Gas Fraction Traced by the CO Tully–Fisher Relation. Astrophysical Journal Letters, 2018, 869, L37.	3.0	9
456	A Search for Molecular Gas in the Host Galaxy of FRB 121102. Astronomical Journal, 2018, 155, 227.	1.9	2
457	Molecular Gas Filaments and Star-forming Knots Beneath an X-Ray Cavity in RXC J1504–0248. Astrophysical Journal, 2018, 863, 193.	1.6	22
458	NOEMA Observations of a Molecular Cloud in the Low-metallicity Galaxy Kiso 5639. Astrophysical Journal Letters, 2018, 859, L22.	3.0	6
459	The Effect of Galaxy Interactions on Molecular Gas Properties. Astrophysical Journal, 2018, 868, 132.	1.6	51
460	Infrared molecular hydrogen lines in GRB host galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1126-1132.	1.6	4
461	ALMA observations of a metal-rich damped LyÂα absorber at z = 2.5832: evidence for strong galactic winds in a galaxy group. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2126-2132.	1.6	19
462	Resolving the Nuclear Obscuring Disk in the Compton-thick Seyfert Galaxy NGC 5643 with ALMA. Astrophysical Journal, 2018, 859, 144.	1.6	67
463	ALMACAL – III. A combined ALMA and MUSE survey for neutral, molecular, and ionized gas in an H i-absorption-selected system. Monthly Notices of the Royal Astronomical Society, 2018, 475, 492-507.	1.6	28
464	Submillimetre flux as a probe of molecular ISM mass in high- <i>z</i> galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 478, L83-L88.	1.2	37
465	Optical, Near-IR, and Sub-mm IFU Observations of the Nearby Dual Active Galactic Nuclei MRK 463. Astrophysical Journal, 2018, 854, 83.	1.6	13
466	ALMA Observations of Molecular Clouds in Three Group-centered Elliptical Galaxies: NGC 5846, NGC 4636, and NGC 5044. Astrophysical Journal, 2018, 858, 17.	1.6	56
467	Molecular Gas Contents and Scaling Relations for Massive, Passive Galaxies at Intermediate Redshifts from the LEGA-C Survey. Astrophysical Journal, 2018, 860, 103.	1.6	48
468	Dark Molecular Gas in Simulations of zÂâ^1⁄4Â0 Disk Galaxies. Astrophysical Journal, 2018, 869, 73.	1.6	18
469	Two Orders of Magnitude Variation in the Star Formation Efficiency across the Premerger Galaxy NGC 2276. Astrophysical Journal Letters, 2018, 869, L38.	3.0	16

#	Article	IF	CITATIONS
470	ALMA Observations of HCN and HCO ⁺ Outflows in the Merging Galaxy NGC 3256. Astrophysical Journal, 2018, 868, 95.	1.6	19
471	OH absorption in the first quadrant of the Milky Way as seen by THOR. Astronomy and Astrophysics, 2018, 618, A159.	2.1	20
472	Spatially resolved cold molecular outflows in ULIRGs. Astronomy and Astrophysics, 2018, 616, A171.	2.1	45
473	CO destruction in protoplanetary disk midplanes: Inside versus outside the CO snow surface. Astronomy and Astrophysics, 2018, 618, A182.	2.1	94
474	ALMA Observations toward the Starburst Dwarf Galaxy NGC 5253. I. Molecular Cloud Properties and Scaling Relations. Astrophysical Journal, 2018, 864, 120.	1.6	17
475	The role of molecular gas in the nuclear regions of IRAS 00183-7111. Astronomy and Astrophysics, 2018, 616, A127.	2.1	5
476	<i>Planck</i> 's dusty GEMS. Astronomy and Astrophysics, 2018, 620, A61.	2.1	47
477	High-speed molecular cloudlets around the Galactic center's supermassive black hole. Astronomy and Astrophysics, 2018, 618, A35.	2.1	10
478	ALMA 12CO (<i>J</i> = 1–0) imaging of the nearby galaxy M 83: Variations in the efficiency of star formation in giant molecular clouds. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	32
479	Measuring Oxygen Abundances from Stellar Spectra without Oxygen Lines. Astrophysical Journal, 2018, 860, 159.	1.6	18
480	A simple model for molecular hydrogen chemistry coupled to radiation hydrodynamics. Monthly Notices of the Royal Astronomical Society, 2018, 479, 3206-3226.	1.6	21
481	GASP – X. APEX observations of molecular gas in the discs and in the tails of ram-pressure stripped galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2508-2520.	1.6	57
482	Molecular outflow and feedback in the obscured quasar XID2028 revealed by ALMA. Astronomy and Astrophysics, 2018, 612, A29.	2.1	70
483	ALMA observations of AGN fuelling. Astronomy and Astrophysics, 2018, 614, A42.	2.1	27
484	Dwarf Galaxies: Their Low Metallicity Interstellar Medium. Proceedings of the International Astronomical Union, 2018, 14, 240-254.	0.0	6
485	Resolving Star Formation on Subkiloparsec Scales in the High-redshift Galaxy SDP.11 Using Gravitational Lensing*. Astrophysical Journal, 2018, 867, 140.	1.6	16
486	Molecular Gas and Star Formation Properties in Early Stage Mergers: SMA CO(2-1) Observations of the LIRGs NGC 3110 and NGC 232. Astrophysical Journal, 2018, 866, 77.	1.6	16
487	Revealing the Environmental Dependence of Molecular Gas Content in a Distant X-Ray Cluster at zÂ=Â2.51. Astrophysical Journal Letters, 2018, 867, L29.	3.0	45

#	Article	IF	CITATIONS
488	The Dual Role of Starbursts and Active Galactic Nuclei in Driving Extreme Molecular Outflows. Astrophysical Journal, 2018, 859, 35.	1.6	24
489	Relationships between Hi Gas Mass, Stellar Mass, and the Star Formation Rate of HICAT+WISE (H i-WISE) Galaxies. Astrophysical Journal, 2018, 864, 40.	1.6	53
490	The Spatially Resolved Dust-to-metals Ratio in M101. Astrophysical Journal, 2018, 865, 117.	1.6	39
491	Concurrent Starbursts in Molecular Gas Disks within a Pair of Colliding Galaxies at zÂ=Â1.52. Astrophysical Journal, 2018, 868, 75.	1.6	11
492	Shark: introducing an open source, free, and flexible semi-analytic model of galaxy formation. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3573-3603.	1.6	164
493	Spatially Resolved ¹² CO(2–1)/ ¹² CO(1–0) in the Starburst Galaxy NGC 253: Assessing Optical Depth to Constrain the Molecular Mass Outflow Rate. Astrophysical Journal, 2018, 867, 111.	1.6	24
494	The Molecular Gas Content and Fuel Efficiency of Starbursts at zÂâ^¼Â1.6 with ALMA. Astrophysical Journal, 2018, 867, 92.	1.6	38
495	On the Interpretation of Far-infrared Spectral Energy Distributions. I. The 850 μm Molecular Mass Estimator. Astrophysical Journal, 2018, 867, 102.	1.6	21
496	Far-infrared Herschel SPIRE spectroscopy of lensed starbursts reveals physical conditions of ionized gas. Monthly Notices of the Royal Astronomical Society, 2018, 481, 59-97.	1.6	46
497	Giant cometary H <scp>ii</scp> regions and molecular bow shocks in spiral arms of galaxies: M 83. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	2
498	A Galaxy-scale Fountain of Cold Molecular Gas Pumped by a Black Hole. Astrophysical Journal, 2018, 865, 13.	1.6	85
499	The Large-scale Interstellar Medium of SS 433/W50 Revisited. Astrophysical Journal, 2018, 863, 103.	1.6	19
500	The unusual ISM in blue and dusty gas-rich galaxies (BADGRS). Monthly Notices of the Royal Astronomical Society, 2018, 479, 1221-1239.	1.6	3
501	Do Spectroscopic Dense Gas Fractions Track Molecular Cloud Surface Densities?. Astrophysical Journal Letters, 2018, 868, L38.	3.0	27
502	The [C ii] emission as a molecular gas mass tracer in galaxies at low and high redshifts. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1976-1999.	1.6	130
503	Circumnuclear Multiphase Gas in the Circinus Galaxy. II. The Molecular and Atomic Obscuring Structures Revealed with ALMA. Astrophysical Journal, 2018, 867, 48.	1.6	84
504	A Survey of Atomic Carbon [C i] in High-redshift Main-sequence Galaxies. Astrophysical Journal, 2018, 869, 27.	1.6	87
505	Testing star formation laws in a starburst galaxy at redshift 3 resolved with ALMA. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4380-4390.	1.6	35

#	Article	IF	CITATIONS
506	ALMA view of a massive spheroid progenitor: a compact rotating core of molecular gas in an AGN host at z = 2.226. Monthly Notices of the Royal Astronomical Society, 2018, 476, 3956-3963.	1.6	50
507	Supermassive black holes with higher Eddington ratios preferentially form in gas-rich galaxies. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	3
508	Dust–Gas Scaling Relations and OH Abundance in the Galactic ISM. Astrophysical Journal, 2018, 862, 49.	1.6	49
509	Galactic HCO+ absorption toward compact extragalactic radio sources. Astrophysics and Space Science, 2018, 363, 1.	0.5	1
510	Discovery of two embedded massive YSOs and an outflow in IRAS 18144-1723. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4231-4243.	1.6	3
511	Molecular gas in two companion cluster galaxies at <i>z</i> = 1.2. Astronomy and Astrophysics, 2018, 617, A103.	2.1	18
512	The Galactic Census of High- and Medium-mass Protostars. IV. Molecular Clump Radiative Transfer, Mass Distributions, Kinematics, and Dynamical Evolution. Astrophysical Journal, 2018, 866, 19.	1.6	24
513	Constraining the H2 column density distribution at <i>z</i> Ââ^¼Â3 from composite DLA spectra. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 478, L7-L11.	1.2	35
514	Molecular gas masses of gamma-ray burst host galaxies. Astronomy and Astrophysics, 2018, 617, A143.	2.1	19
515	The disc-averaged star formation relation for Local Volume dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 480, 210-222.	1.6	5
516	Molecular gas in AzTEC/C159: a star-forming disk galaxy 1.3 Gyr after the Big Bang. Astronomy and Astrophysics, 2018, 615, A25.	2.1	13
517	Spatially resolving the dust properties and submillimetre excess in M 33. Astronomy and Astrophysics, 2018, 613, A43.	2.1	21
518	Modeling the Atomic-to-molecular Transition in Cosmological Simulations of Galaxy Formation. Astrophysical Journal, Supplement Series, 2018, 238, 33.	3.0	71
519	Solid H ₂ in the interstellar medium. Astronomy and Astrophysics, 2018, 613, A64.	2.1	18
520	Spotting high-z molecular absorbers using neutral carbon. Astronomy and Astrophysics, 2018, 612, A58.	2.1	40
521	FOREST Unbiased Galactic plane Imaging survey with the Nobeyama 45 m telescope (FUGIN): Molecular clouds toward W 33; possible evidence for a cloud–cloud collision triggering OAstar formation. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	34
522	Spatially Resolved Dust, Gas, and Star Formation in the Dwarf Magellanic Irregular NGC 4449 [*] . Astrophysical Journal, 2018, 852, 106.	1.6	15
523	Synthetic Observations of 21 cm H i Line Profiles from Inhomogeneous Turbulent Interstellar H i Gas with Magnetic Fields. Astrophysical Journal, 2018, 860, 33.	1.6	21

#	Article	IF	CITATIONS
524	The X _{CO} Conversion Factor from Galactic Multiphase ISM Simulations. Astrophysical Journal, 2018, 858, 16.	1.6	52
525	Resolving the ISM at the Peak of Cosmic Star Formation with ALMA: The Distribution of CO and Dust Continuum in zÂâ^¼Â2.5 Submillimeter Galaxies. Astrophysical Journal, 2018, 863, 56.	1.6	92
526	Cross-calibration of CO- versus dust-based gas masses and assessment of the dynamical mass budget in Herschel-SDSS Stripe82 galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1442-1458.	1.6	23
527	Cloud-scale Molecular Gas Properties in 15 Nearby Galaxies. Astrophysical Journal, 2018, 860, 172.	1.6	182
528	The gravitationally unstable gas disk of a starburst galaxy 12 billion years ago. Nature, 2018, 560, 613-616.	13.7	61
529	Diffuse <i>\hat{I}^3</i> -ray emission in the vicinity of young star cluster Westerlund 2. Astronomy and Astrophysics, 2018, 611, A77.	2.1	43
530	Searching for an interstellar medium association for HESS J1534Ââ~'Â571. Monthly Notices of the Royal Astronomical Society, 2018, 480, 134-148.	1.6	9
531	The CO Luminosity Density at High-z (COLDz) Survey: A Sensitive, Large-area Blind Search for Low-J CO Emission from Cold Gas in the Early Universe with the Karl G. Jansky Very Large Array. Astrophysical Journal, 2018, 864, 49.	1.6	71
532	Flat Rotation Curves Found in Merging Dusty Starbursts at zÂ=Â2.3 through Tilted-ring Modeling. Astrophysical Journal Letters, 2018, 864, L11.	3.0	7
533	The Future of Dwarf Galaxy Research: What Telescopes Will Discover. Proceedings of the International Astronomical Union, 2018, 14, 3-16.	0.0	1
534	LLAMA: normal star formation efficiencies of molecular gas in the centres of luminous Seyfert galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 473, 5658-5679.	1.6	57
535	Probing the local environment of the supernova remnant HESS J1731â^'347 with CO and CS observations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 662-676.	1.6	19
536	Populating H2 and CO in galaxy simulation with dust evolution. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1545-1563.	1.6	25
537	A disrupted molecular torus around Eta Carinae as seen in 12CO with ALMA. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4988-4996.	1.6	22
538	VALES – IV. Exploring the transition of star formation efficiencies between normal and starburst galaxies using APEX/SEPIA Band-5 and ALMA at low redshift. Monthly Notices of the Royal Astronomical Society, 2018, 475, 248-256.	1.6	10
539	Dense Gas, Dynamical Equilibrium Pressure, and Star Formation in Nearby Star-forming Galaxies. Astrophysical Journal, 2018, 858, 90.	1.6	75
540	Lurking systematics in predicting galaxy cold gas masses using dust luminosities and star formation rates. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1390-1404.	1.6	16
541	An ALMA view of star formation efficiency suppression in early-type galaxies after gas-rich minor mergers. Monthly Notices of the Royal Astronomical Society, 2018, 476, 122-132.	1.6	28

#	Article	IF	CITATIONS
542	Total molecular gas masses of Planck – Herschel selected strongly lensed hyper luminous infrared galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3866-3874.	1.6	30
543	The Association of Molecular Gas and Natal Super Star Clusters in Henize 2–10. Astrophysical Journal, 2018, 853, 125.	1.6	12
544	The Gas to Dust Ratio in Three Star Forming Regionstwo. Chinese Astronomy and Astrophysics, 2018, 42, 213-238.	0.1	1
545	SDSS-IV MaNGA: What Shapes the Distribution of Metals in Galaxies? Exploring the Roles of the Local Gas Fraction and Escape Velocity. Astrophysical Journal, 2018, 852, 74.	1.6	61
546	Herschel and ALMA Observations of Massive SZE-selected Clusters. Astrophysical Journal, 2018, 853, 195.	1.6	4
547	PHIBSS: Unified Scaling Relations of Gas Depletion Time and Molecular Gas Fractions*. Astrophysical Journal, 2018, 853, 179.	1.6	467
548	A Dust-scattering Halo of 4U 1630–47 Observed with Chandra and Swift: New Constraints on the Source Distance. Astrophysical Journal, 2018, 859, 88.	1.6	21
549	Molecular Emission from a Galaxy Associated with a z â^1⁄4 2.2 Damped Lyα Absorber. Astrophysical Journal Letters, 2018, 856, L12.	3.0	31
550	What FIREs up star formation: the emergence of the Kennicutt–Schmidt law from feedback. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3653-3673.	1.6	91
551	A unified model for galactic discs: star formation, turbulence driving, and mass transport. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2716-2740.	1.6	191
552	The ALMA View of GMCs in NGC 300: Physical Properties and Scaling Relations at 10 pc Resolution. Astrophysical Journal, 2018, 857, 19.	1.6	55
553	Molecular Gas Reservoirs in Cluster Galaxies at zÂ=Â1.46. Astrophysical Journal, 2018, 856, 118.	1.6	60
554	Synthetic observations of star formation and the interstellar medium. New Astronomy Reviews, 2018, 82, 1-58.	5.2	26
555	Hidden in Plain Sight: A Massive, Dusty Starburst in a Galaxy Protocluster at zÂ=Â5.7 in the COSMOS Field. Astrophysical Journal, 2018, 861, 43.	1.6	61
556	The MALATANG Survey: The L _{GAS} –L _{IR} Correlation on Sub-kiloparsec Scale in Six Nearby Star-forming Galaxies as Traced by HCN JÂ=Â4Â→Â3 and HCO ⁺ JÂ=Â4Â→Â3. Astrophysic Journal, 2018, 860, 165.	cal6	35
557	Recovering the Physical Properties of Molecular Gas in Galaxies from CO SLED Modeling. Astrophysical Journal, 2018, 859, 9.	1.6	14
558	SHINING, A Survey of Far-infrared Lines in Nearby Galaxies. I. Survey Description, Observational Trends, and Line Diagnostics. Astrophysical Journal, 2018, 861, 94.	1.6	55
559	Star Formation Efficiency per Free-fall Time in nearby Galaxies. Astrophysical Journal Letters, 2018, 861, L18.	3.0	97

	CITATION R	CITATION REPORT		
#	Article	IF	CITATIONS	
560	Galaxy pairs in the SDSS – XIII. The connection between enhanced star formation and molecular gas properties in galaxy mergers. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2591-2604.	1.6	49	
561	Molecular gas in distant galaxies from ALMA studies. Astronomy and Astrophysics Review, 2018, 26, 1.	9.1	32	
562	<i>La Freccia Rossa</i> : an IR-dark cloud hosting the Milky Way intermediate-mass black hole candidate. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 478, L72-L77.	1.2	9	
563	The Mopra Southern Galactic Plane CO Survey—Data Release 3. Publications of the Astronomical Society of Australia, 2018, 35, .	1.3	31	
564	ALMA [C i] ³ P ₁ – ³ P ₀ Observations of NGC 6240: A Puzzling Molecular Outflow, and the Role of Outflows in the Global α _{CO} Factor of (U)LIRGs. Astrophysical Journal, 2018, 863, 143.	1.6	57	
565	The "Cosmic Seagull― A Highly Magnified Disk-like Galaxy at zÂ≃Â2.8 behind the Bullet Cluster. Astrophysical Journal Letters, 2018, 863, L16.	3.0	9	
566	ALMA + VLT observations of a damped Lyman-α absorbing galaxy: massive, wide CO emission, gas-rich but with very low SFR. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4039-4055.	1.6	27	
567	Circumnuclear Multi-phase Gas in the Circinus Galaxy. I. Non-LTE Calculations of CO Lines. Astrophysical Journal, 2018, 852, 88.	1.6	33	
568	The Discovery of a New Massive Molecular Gas Component Associated with the Submillimeter Galaxy SMM J02399-0136. Astrophysical Journal, 2018, 860, 87.	1.6	17	
569	A Large-field J = 1 – 0 Survey of CO and Its Isotopologues toward the Cassiopeia A Supernova Remnant. Astrophysical Journal, 2019, 878, 44.	1.6	7	
570	The Molecular Gas Reservoirs of zÂâ^1⁄4Â2 Galaxies: A Comparison of CO(1â^'0) and Dust-based Molecular Gas Masses. Astrophysical Journal, 2019, 880, 15.	1.6	41	
571	Molecular Gas toward the Gemini OB1 Molecular Cloud Complex. III. Chemical Abundance. Astrophysical Journal, Supplement Series, 2019, 243, 25.	3.0	9	
572	Quantum statistical study of the C+ + OH → CO + H+/CO+ + H reaction: Reaction rate and product branching ratio at interstellar temperatures. Journal of Chemical Physics, 2019, 151, .	1.2	5	
573	Spatially Resolved Metal Loss from M31. Astrophysical Journal, 2019, 877, 120.	1.6	19	
574	Fermi-LAT Observations of Î ³ -Ray Emission toward the Outer Halo of M31. Astrophysical Journal, 2019, 880, 95.	1.6	29	
575	Resolved Neutral Carbon Emission in Nearby Galaxies: [C i]ÂLines as Total Molecular Gas Tracers. Astrophysical Journal, 2019, 880, 133.	1.6	37	
576	Gas and Dust Properties in the Chamaeleon Molecular Cloud Complex Based on the Optically Thick H i. Astrophysical Journal, 2019, 878, 131.	1.6	9	
577	ALMA Observations of Molecular Gas in the Host Galaxy of AT2018cow. Astrophysical Journal Letters, 2019, 879, L13.	3.0	12	

#	Article	IF	CITATIONS
578	The kiloparsec-scale gas kinematics in two star-forming galaxies at z â ⁻¹ ⁄4 1.47 seen with ALMA and VLT-SINFONI. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4856-4869.	1.6	25
579	The Evolution of the Interstellar Medium in Post-starburst Galaxies. Astrophysical Journal, 2019, 879, 131.	1.6	25
580	The Atacama Cosmology Telescope: CO(J = 3 – 2) Mapping and Lens Modeling of an ACT-selected Dusty Star-forming Galaxy. Astrophysical Journal, 2019, 879, 95.	1.6	9
581	FOREST Unbiased Galactic Plane Imaging Survey with the Nobeyama 45 m telescope (FUGIN). V. Dense gas mass fraction of molecular gas in the Galactic plane. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	24
582	On the nature of variations in the measured star formation efficiency of molecular clouds. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1501-1518.	1.6	41
583	The EDGE-CALIFA survey: exploring the star formation law through variable selection. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1926-1940.	1.6	27
584	Testing star formation laws on spatially resolved regions in a z â‰^ 4.3 starburst galaxy. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4305-4312.	1.6	17
585	EMPIRE: The IRAM 30 m Dense Gas Survey of Nearby Galaxies. Astrophysical Journal, 2019, 880, 127.	1.6	84
586	Positive and Negative Feedback of AGN Outflows in NGC 5728. Astrophysical Journal, 2019, 881, 147.	1.6	46
587	The G332 molecular cloud ring: I. Morphology and physical characteristics. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2089-2118.	1.6	3
588	The first maps of κd – the dust mass absorption coefficient – in nearby galaxies, with DustPedia. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5256-5283.	1.6	38
589	CO Multi-line Imaging of Nearby Galaxies (COMING). VI. Radial variations in star formation efficiency. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	16
590	Automated Mining of the ALMA Archive in the COSMOS Field (A ³ COSMOS). I. Robust ALMA Continuum Photometry Catalogs and Stellar Mass and Star Formation Properties for â^¼700 Galaxies at zÂ=Â0.5–6. Astrophysical Journal, Supplement Series, 2019, 244, 40.	3.0	54
591	Dust properties and star formation of approximately a thousand local galaxies. Astronomy and Astrophysics, 2019, 631, A38.	2.1	22
592	Molecular gas and dust properties of galaxies from the Great Observatories All-sky LIRG Survey. Astronomy and Astrophysics, 2019, 628, A71.	2.1	30
593	Giant elephant trunks from giant molecular clouds. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	1
594	CO and Fine-structure Lines Reveal Low Metallicity in a Stellar-mass-rich Galaxy at zÂâ^¼Â1?. Astrophysical Journal, 2019, 882, 1.	1.6	7
595	On the size of the CO-depletion radius in the IRDC G351.77â^'0.51. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4489-4501.	1.6	18

#	Article	IF	CITATIONS
596	Thermal Phases of the Neutral Atomic Interstellar Medium from Solar Metallicity to Primordial Gas. Astrophysical Journal, 2019, 881, 160.	1.6	45
597	The geometry of the gas surrounding the Central Molecular Zone: on the origin of localized molecular clouds with extreme velocity dispersions. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4663-4673.	1.6	28
598	Triggered star formation in a cometary atomic/molecular cloud in the Cep OB3 association. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4809-4816.	1.6	3
599	Observing AGN feedback with CO intensity mapping. Monthly Notices of the Royal Astronomical Society, 2019, 490, 260-273.	1.6	17
600	ALMA Observations of Giant Molecular Clouds in the Starburst Dwarf Galaxy Henize 2-10. Astrophysical Journal, 2019, 876, 141.	1.6	11
601	CO Emission in Infrared-selected Active Galactic Nuclei. Astrophysical Journal, 2019, 879, 41.	1.6	33
602	An ALMA Multiline Survey of the Interstellar Medium of the Redshift 7.5 Quasar Host Galaxy J1342+0928. Astrophysical Journal, 2019, 881, 63.	1.6	62
603	The Atacama Large Millimeter/submillimeter Array Spectroscopic Survey in the Hubble Ultra Deep Field: CO Emission Lines and 3 mm Continuum Sources. Astrophysical Journal, 2019, 882, 139.	1.6	62
604	FOREST Unbiased Galactic Plane Imaging Survey with the Nobeyama 45 m telescope (FUGIN). IV. Galactic shock wave and molecular bow shock in the 4 kpc arm of the Galaxy. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	11
605	Extinction and dust/gas ratio in the H <scp>i</scp> ridge region of the LMC based on the IRSF/SIRIUS near-infrared survey. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	7
606	Driving massive molecular gas flows in central cluster galaxies with AGN feedback. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3025-3045.	1.6	79
607	Complex distribution and velocity field of molecular gas in NGC 1316 as revealed by the Morita Array of ALMA. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	13
608	CO Multi-line Imaging of Nearby Galaxies (COMING). III. Dynamical effect on molecular gas density and star formation in the barred spiral galaxy NGC 4303. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	20
609	Molecular clouds in the Cosmic Snake normal star-forming galaxy 8 billion years ago. Nature Astronomy, 2019, 3, 1115-1121.	4.2	57
610	Using ALMA to resolve the nature of the early star-forming large-scale structure PLCK G073.4â^'57.5. Astronomy and Astrophysics, 2019, 625, A96.	2.1	19
611	Measuring the filamentary structure of interstellar clouds through wavelets. Astronomy and Astrophysics, 2019, 621, A5.	2.1	16
612	Global correlations between the radio continuum, infrared, and CO emissions in dwarf galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 484, 543-561.	1.6	10
613	Outflows in the inner kiloparsec of NGC 1566 as revealed by molecular (ALMA) and ionized gas (Gemini-GMOS/IFU) kinematics. Astronomy and Astrophysics, 2019, 621, A83.	2.1	20

#	Article	IF	Citations
614	The Origin of Interstellar Turbulence in M33. Astrophysical Journal, 2019, 871, 17.	1.6	24
615	Confirming Herschel Candidate Protoclusters from ALMA/VLA CO Observations. Astrophysical Journal, 2019, 872, 117.	1.6	43
616	Molecular Gas of the Most Massive Spiral Galaxies. I. A Case Study of NGC 5908. Astrophysical Journal, 2019, 877, 3.	1.6	6
617	A simple non-equilibrium feedback model for galaxy-scale star formation: delayed feedback and SFR scatter. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4724-4737.	1.6	29
618	A new empirical method to estimate the molecular gas mass in galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 486, L91-L95.	1.2	18
619	Testing Feedback-regulated Star Formation in Gas-rich, Turbulent Disk Galaxies. Astrophysical Journal, 2019, 870, 46.	1.6	27
620	Outflows in the Disks of Active Galaxies. Astrophysical Journal, 2019, 877, 74.	1.6	23
621	Atomic and molecular gas in IllustrisTNG galaxies at low redshift. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1529-1550.	1.6	67
622	Ultraviolet HST Spectroscopy of Planck Cold Clumps. Astrophysical Journal, 2019, 872, 140.	1.6	0
623	H i Clouds in LITTLE THINGS Dwarf Irregular Galaxies. Astronomical Journal, 2019, 157, 241.	1.9	11
624	TRAO Survey of Nearby Filamentary Molecular Clouds, the Universal Nursery of Stars (TRAO FUNS). I. Dynamics and Chemistry of L1478 in the California Molecular Cloud. Astrophysical Journal, 2019, 877, 114.	1.6	12
625	A fundamental test for stellar feedback recipes in galaxy simulations. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1717-1728.	1.6	40
626	Fast and inefficient star formation due to short-lived molecular clouds and rapid feedback. Nature, 2019, 569, 519-522.	13.7	178
627	Molecular Gas Properties in the Host Galaxy of GRB 080207. Astrophysical Journal, 2019, 876, 91.	1.6	7
628	simba: Cosmological simulations with black hole growth and feedback. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2827-2849.	1.6	576
629	The molecular gas properties in the gravitationally lensed merger HATLAS J142935.3–002836. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2366-2378.	1.6	1
630	Three regimes of CO emission in galaxy mergers. Astronomy and Astrophysics, 2019, 621, A104.	2.1	13
631	A diversity of starburst-triggering mechanisms in interacting galaxies and their signatures in CO emission. Astronomy and Astrophysics, 2019, 625, A65.	2.1	28

#	Article	IF	CITATIONS
632	The Sejong Open cluster Survey (SOS) VI. A small star-forming region in the high Galactic latitude molecular cloud MBM 110. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3473-3487.	1.6	1
633	Environmental impacts on molecular gas in protocluster galaxies at <i>z</i> â ¹ ⁄4 2. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	43
634	An Enormous Molecular Gas Flow in the RX J0821+0752 Galaxy Cluster. Astrophysical Journal, 2019, 870, 57.	1.6	22
635	Molecular and Ionized Gas Phases of an ACN-driven Outflow in a Typical Massive Galaxy at zÂâ‰^Â2. Astrophysical Journal, 2019, 871, 37.	1.6	56
636	Source Structure and Molecular Gas Properties from High-resolution CO Imaging of SPT-selected Dusty Star-forming Galaxies. Astrophysical Journal, 2019, 873, 50.	1.6	11
637	Testing the Evolutionary Link between Type 1 and Type 2 Quasars with Measurements of the Interstellar Medium. Astrophysical Journal, 2019, 873, 90.	1.6	29
638	Polarimetric and Photometric Investigation of the Dark Globule LDN 1225: Distance, Extinction Law, and Magnetic Fields. Astrophysical Journal, 2019, 875, 64.	1.6	7
639	New Insights into the Physical Conditions and Internal Structure of a Candidate Proto-globular Cluster. Astrophysical Journal, 2019, 874, 120.	1.6	22
640	The Milky Way Imaging Scroll Painting (MWISP): Project Details and Initial Results from the Galactic Longitudes of 25.°8–49.°7. Astrophysical Journal, Supplement Series, 2019, 240, 9.	3.0	96
641	Origins Space Telescope: Predictions for far-IR spectroscopic surveys. Publications of the Astronomical Society of Australia, 2019, 36, .	1.3	14
642	ALMA Spatially Resolved Dense Molecular Gas Survey of Nearby Ultraluminous Infrared Galaxies. Astrophysical Journal, Supplement Series, 2019, 241, 19.	3.0	30
643	The integrated properties of the molecular clouds from the JCMT CO(3–2) High-Resolution Survey. Monthly Notices of the Royal Astronomical Society, 2019, 483, 4291-4340.	1.6	51
644	Interacting galaxies on FIRE-2: the connection between enhanced star formation and interstellar gas content. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1320-1338.	1.6	75
645	Dense gas is not enough: environmental variations in the star formation efficiency of dense molecular gas at 100 pc scales in M 51. Astronomy and Astrophysics, 2019, 625, A19.	2.1	47
646	On the dust properties of high-redshift molecular clouds and the connection to the 2175 ÅÂextinction bump. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2063-2074.	1.6	8
647	Resolving CO (2â~'1) in zÂâ^1⁄4Â1.6 Gas-rich Cluster Galaxies with ALMA: Rotating Molecular Gas Disks with Possible Signatures of Gas Stripping. Astrophysical Journal, 2019, 870, 56.	1.6	36
648	Evidence for diffuse molecular gas and dust in the hearts of gamma-ray burst host galaxies. Astronomy and Astrophysics, 2019, 623, A43.	2.1	41
649	Breaking the radio – gamma-ray connection in Arp 220. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3665-3680.	1.6	10

#	Article	IF	CITATIONS
650	Linking bar- and interaction-driven molecular gas concentration with centrally enhanced star formation in EDGE–CALIFA galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5192-5211.	1.6	44
651	OH as an Alternate Tracer for Molecular Gas: Quantity and Structure of Molecular Gas in W5. Astrophysical Journal, 2019, 874, 49.	1.6	9
652	Interstellar Medium and Star Formation of Starburst Galaxies on the Merger Sequence. Astrophysical Journal, 2019, 870, 104.	1.6	32
653	PHIBSS2: survey design and <i>z</i> = 0.5 – 0.8 results. Astronomy and Astrophysics, 2019, 622, A105.	2.1	77
654	High Gas Fraction in a CO-detected Main-sequence Galaxy at zÂ>Â3. Astrophysical Journal, 2019, 875, 6.	1.6	29
655	Mass inflow rate into the Central Molecular Zone: observational determination and evidence of episodic accretion. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1213-1219.	1.6	50
656	Revisiting the Integrated Star Formation Law. I. Non-starbursting Galaxies. Astrophysical Journal, 2019, 872, 16.	1.6	88
657	Extremely Low Molecular Gas Content in a Compact, Quiescent Galaxy at zÂ=Â1.522. Astrophysical Journal Letters, 2019, 873, L19.	3.0	35
658	On the diagnostic power of FIR/sub-mm SED fitting in massive galactic molecular clumps. Monthly Notices of the Royal Astronomical Society, 2019, 484, 305-331.	1.6	9
659	The AGN fuelling/feedback cycle in nearby radio galaxies I. ALMA observations and early results. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4239-4259.	1.6	41
660	Deep and narrow CO absorption revealing molecular clouds in the Hydra-A brightest cluster galaxy. Monthly Notices of the Royal Astronomical Society, 2019, 485, 229-238.	1.6	31
661	Kiloparsec-Scale Variations in the Star Formation Efficiency of Dense Gas: The Antennae Galaxies (NGC) Tj ETQq1	1 0,7843 1.9	14.rgBT /Ove
662	COLDz: Shape of the CO Luminosity Function at High Redshift and the Cold Gas History of the Universe. Astrophysical Journal, 2019, 872, 7.	1.6	115
663	Multiwavelength study of the G345.5+1.5 region. Astronomy and Astrophysics, 2019, 623, A141.	2.1	5
664	Connecting the ISM to TeV PWNe and PWN candidates. Publications of the Astronomical Society of Australia, 2019, 36, .	1.3	7
665	Multiphase circumgalactic medium probed with MUSE and ALMA. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1595-1613.	1.6	48
666	Probing the origin of the unidentified TeV γ-ray source HESS J1702–420 via the surrounding interstellar medium. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3659-3672.	1.6	8
667	Do Galaxy Morphologies Really Affect the Efficiency of Star Formation During the Phase of Galaxy Transition?. Astrophysical Journal, 2019, 874, 142.	1.6	12

#	Article	IF	Citations
668	VALES V: a kinematic analysis of the molecular gas content inH-ATLAS galaxies atzÂâ^1⁄4Â0.03–0.35 using ALMA Monthly Notices of the Royal Astronomical Society, 2019, 482, 1499-1524.	^{A.} 1.6	6
669	CO Multi-line Imaging of Nearby Galaxies (COMING). VII. Fourier decomposition of molecular gas velocity fields and bar pattern speed. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	1
670	Galactic outflows at high spatial resolution via gravitational lensing. Proceedings of the International Astronomical Union, 2019, 15, 187-193.	0.0	1
671	Nature and physical properties of gas-mass selected galaxies using integral field spectroscopy. Proceedings of the International Astronomical Union, 2019, 15, 326-330.	0.0	0
672	Spatially resolved dust-to-gas mass ratios in nearby galaxies. Proceedings of the International Astronomical Union, 2019, 15, 78-82.	0.0	0
673	The Structure of Dark Molecular Gas in the Galaxy. II. Physical State of "CO-dark―Gas in the Perseus Arm. Astrophysical Journal, 2019, 883, 158.	1.6	12
674	Molecular Gas in the Outflow of the Small Magellanic Cloud. Astrophysical Journal Letters, 2019, 885, L32.	3.0	13
675	Star formation and gas in the minor merger UGC 10214. Astronomy and Astrophysics, 2019, 623, A154.	2.1	1
676	ALMA captures feeding and feedback from the active galactic nucleus in NGC 613. Astronomy and Astrophysics, 2019, 632, A33.	2.1	39
677	Ubiquitous cold and massive filaments in cool core clusters. Astronomy and Astrophysics, 2019, 631, A22.	2.1	92
678	The gentle monster PDS 456. Astronomy and Astrophysics, 2019, 628, A118.	2.1	53
679	Velocity profiles of [C _{II}], [C _I], CO, and [O _I] and physical conditions in four star-forming regions in the Large Magellanic Cloud. Astronomy and Astrophysics, 2019, 621, A62.	2.1	23
680	CO Multi-line Imaging of Nearby Galaxies (COMING). IV. Overview of the project. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	28
681	CO observations of major merger pairs at <i>z</i> =  0: molecular gas mass and star formation. Astronomy and Astrophysics, 2019, 627, A107.	2.1	20
682	ALMA Observations of Atomic Carbon [C i] (³ P ₁ Ââ†'Â ³ P ₀) and Low-J CO Lines in the Starburst Galaxy NGC 1808. Astrophysical Journal, 2019, 887, 143.	1.6	22
683	<i>Planck</i> 's Dusty GEMS. Astronomy and Astrophysics, 2019, 624, A23.	2.1	30
684	Molecular gas in radio galaxies in dense megaparsec-scale environments at <i>z</i> = 0.4–2.6. Astronomy and Astrophysics, 2019, 623, A48.	2.1	15
685	Discovery of CO absorption at <i>z</i> = 0.05 in G0248+430. Astronomy and Astrophysics, 2019, 623, A133.	2.1	9

~			<u> </u>	
(11	ГАТ	10N	REPO	JDT
\sim	17.51			

#	Article	IF	CITATIONS
686	New constraints on the physical conditions in H ₂ -bearing GRB-host damped Lyman- <i>α</i> absorbers. Astronomy and Astrophysics, 2019, 629, A131.	2.1	10
687	Physical conditions in Centaurus A's northern filaments. Astronomy and Astrophysics, 2019, 627, A6.	2.1	1
688	Molecular gas content of shell galaxies. Astronomy and Astrophysics, 2019, 630, A112.	2.1	9
689	ALMA CO(2-1) observations in the XUV disk of M83. Astronomy and Astrophysics, 2019, 623, A66.	2.1	7
690	Dust emissivity and absorption cross section in DustPedia late-type galaxies. Astronomy and Astrophysics, 2019, 631, A102.	2.1	19
691	The volumetric star formation law in the Milky Way. Astronomy and Astrophysics, 2019, 632, A127.	2.1	26
692	The Dark Matter Distributions in Low-mass Disk Galaxies. II. The Inner Density Profiles. Astrophysical Journal, 2019, 887, 94.	1.6	19
693	M 31 circum-nuclear region: A molecular survey with the IRAM interferometer. Astronomy and Astrophysics, 2019, 625, A148.	2.1	2
694	User's guide to extracting cosmological information from line-intensity maps. Physical Review D, 2019, 100, .	1.6	52
695	Northern Galactic Molecular Cloud Clumps in Hi-GAL: Clump and Star Formation within Clouds. Astrophysical Journal, 2019, 881, 90.	1.6	0
696	Photoionization of CO Using R-matrix Theory. Astrophysical Journal, 2019, 887, 262.	1.6	7
697	Star Formation Efficiencies at Giant Molecular Cloud Scales in the Molecular Disk of the Elliptical Galaxy NGC 5128 (Centaurus A). Astrophysical Journal, 2019, 887, 88.	1.6	13
698	ALMA images the many faces of the NGC 1068 torus and its surroundings. Astronomy and Astrophysics, 2019, 632, A61.	2.1	97
699	Low Star Formation Efficiency in Typical Galaxies at zÂ=Â5–6. Astrophysical Journal, 2019, 882, 168.	1.6	40
700	The ALMaQUEST Survey: The Molecular Gas Main Sequence and the Origin of the Star-forming Main Sequence. Astrophysical Journal Letters, 2019, 884, L33.	3.0	70
701	The Astrochemical Impact of Cosmic Rays in Protoclusters. II. CI-to-H ₂ and CO-to-H ₂ Conversion Factors. Astrophysical Journal, 2019, 883, 190.	1.6	12
702	Feedback from low-luminosity radio galaxies: B2 0258+35. Astronomy and Astrophysics, 2019, 629, A58.	2.1	19
703	Near-infrared observations of star formation and gas flows in the NUGA galaxy NGC 1365. Astronomy and Astrophysics, 2019, 622, A128.	2.1	18

#	Article	IF	CITATIONS
704	Physical Characterization of an Unlensed, Dusty Star-forming Galaxy at zÂ=Â5.85. Astrophysical Journal, 2019, 887, 55.	1.6	48
705	High-resolution Observations of the Molecular Clouds Associated with the Huge H ii Region CTB 102. Astrophysical Journal, 2019, 876, 45.	1.6	1
706	A New Calibration of Star Formation Rate in Galaxies Based on Polycyclic Aromatic Hydrocarbon Emission. Astrophysical Journal, 2019, 884, 136.	1.6	31
707	Resolving the Interstellar Medium in Ultraluminous Infrared QSO Hosts with ALMA. Astrophysical Journal, 2019, 887, 24.	1.6	16
708	The Gas–Star Formation Cycle in Nearby Star-forming Galaxies. I. Assessment of Multi-scale Variations. Astrophysical Journal, 2019, 887, 49.	1.6	57
709	Origins of Molecular Clouds in Early-type Galaxies. Astrophysical Journal, 2019, 887, 149.	1.6	29
710	Estimating the Molecular Gas Mass of Low-redshift Galaxies from a Combination of Mid-infrared Luminosity and Optical Properties. Astrophysical Journal, 2019, 887, 172.	1.6	10
711	The ALMA Fornax Cluster Survey I: stirring and stripping of the molecular gas in cluster galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2251-2268.	1.6	62
712	The relationship between dust and [C <scp>i</scp>] at <i>z</i> Â=Â1 and beyond. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3135-3161.	1.6	25
713	ALMA Observations of the Molecular Gas in the Elliptical Galaxy NGC 3557. Astrophysical Journal, 2019, 870, 39.	1.6	7
714	Systematic study of outflows in the Local Universe using CALIFA: I. Sample selection and main properties. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4032-4056.	1.6	39
715	Radio study of the extended TeV source VER J1907+062. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5732-5739.	1.6	14
716	The lifecycle of molecular clouds in nearby star-forming disc galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2872-2909.	1.6	178
717	L-GALAXIES 2020: Spatially resolved cold gas phases, star formation, and chemical enrichment in galactic discs. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5795-5814.	1.6	62
718	Cold molecular gas and free–free emission from hot, dust-obscured galaxies at z â^¼ 3. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1565-1578.	1.6	12
719	VALES VI: ISM enrichment in star-forming galaxies up to z â^¼â€‰0.2 using 12CO(1–0), 13CO(1–0), a line luminosity ratios. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2771-2785.	nd <u>C</u> 18O(1–0) 11
720	SNR G39.2â^'0.3, an hadronic cosmic rays accelerator. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3581-3590.	1.6	9
721	High molecular gas content and star formation rates in local galaxies that host quasars, outflows, and jets. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1560-1575.	1.6	49

#	Article	IF	CITATIONS
722	Measuring the mixing scale of the ISM within nearby spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 499, 193-209.	1.6	44
723	Angular momentum-related probe of cold gas deficiencies. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5024-5037.	1.6	10
724	The MALATANG survey: dense gas and star formation from high-transition HCN and HCO+ maps of NGC 253. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1276-1296.	1.6	9
725	Molecular globules in the Veil bubble of Orion. Astronomy and Astrophysics, 2020, 639, A1.	2.1	18
726	The Cosmic Baryon and Metal Cycles. Annual Review of Astronomy and Astrophysics, 2020, 58, 363-406.	8.1	157
727	A new estimator of resolved molecular gas in nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1261-1278.	1.6	15
728	Weak CS emission in an extremely metal-poor galaxy DDOÂ70. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 496, L38-L42.	1.2	0
729	Star-Forming Galaxies at Cosmic Noon. Annual Review of Astronomy and Astrophysics, 2020, 58, 661-725.	8.1	98
730	SHARP – VI. Evidence for CO (1–0) molecular gas extended on kpc-scales in AGN star-forming galaxies at high redshift. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2387-2407.	1.6	19
731	Fast cloud–cloud collisions in a strongly barred galaxy: suppression of massive star formation. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2131-2146.	1.6	7
732	Volumetric star formation prescriptions in vertically resolved edge-on galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4558-4575.	1.6	9
733	The role of galactic dynamics in shaping the physical properties of giant molecular clouds in Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 498, 385-429.	1.6	35
734	New empirical constraints on the cosmological evolution of gas and stars in galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1124-1131.	1.6	11
735	The CO-dark molecular gas mass in 30 Doradus. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5279-5292.	1.6	24
736	Cosmic evolution of molecular gas mass density from an empirical relationship between <i>L</i> 1.4 GHz and <i>L</i> ′CO. Monthly Notices of the Royal Astronomical Society, 2020, 495, 1760-1770.	1.6	3
737	The 300-pc scale ALMA view of [C <scp>i</scp>] 3 <i>P</i> 1–3 <i>P</i> 0, COÂ <i>J</i> = 1–0, and 609-< dust continuum in a luminous infrared galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3591-3600.	i>μm 1.6	14
738	Resolved star formation in the metal-poor star-forming region Magellanic Bridge C. Monthly Notices of the Royal Astronomical Society, 2020, 499, 2534-2553.	1.6	5
739	A panchromatic spatially resolved analysis of nearby galaxies – II. The main sequence – gas relation at sub-kpc scale in grand-design spirals. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4606-4623.	1.6	33

#	Article	IF	CITATIONS
740	Where is the western part of the Galactic Center Lobe located really?. Publication of the Astronomical Society of Japan, 2020, 72, .	1.0	3
741	What drives galaxy quenching? Resolving molecular gas and star formation in the green valley. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 498, L66-L71.	1.2	30
742	Diffuse <i>γ</i> -ray emission toward the massive star-forming region, W40. Astronomy and Astrophysics, 2020, 639, A80.	2.1	21
743	Cold molecular gas and PAH emission in the nuclear and circumnuclear regions of Seyfert galaxies. Astronomy and Astrophysics, 2020, 639, A43.	2.1	25
744	Molecular gas in CLASH brightest cluster galaxies at <i>z</i> â^¼ 0.2 – 0.9. Astronomy and Astrophysics, 2020, 640, A65.	2.1	17
745	Dust and gas content of high-redshift galaxies hosting obscured AGN in the <i>Chandra</i> Deep Field-South. Astronomy and Astrophysics, 2020, 636, A37.	2.1	31
746	The CO universe: modelling CO emission and H2 abundance in cosmological galaxy formation simulations. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5960-5971.	1.6	8
747	Cold gas in the Milky Way's nuclear wind. Nature, 2020, 584, 364-367.	13.7	33
748	JINGLE – IV. Dust, H i gas, and metal scaling laws in the local Universe. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3668-3687.	1.6	28
749	LEGO – II. A 3 mm molecular line study covering 100 pc of one of the most actively star-forming portions within the Milky Way disc. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1972-2001.	1.6	30
750	Is this an early stage merger? A case study on molecular gas and star formation properties of Arp 240. Monthly Notices of the Royal Astronomical Society, 2020, 496, 5243-5261.	1.6	4
751	Stochastic modelling of star-formation histories II: star-formation variability from molecular clouds and gas inflow. Monthly Notices of the Royal Astronomical Society, 2020, 497, 698-725.	1.6	58
752	Galaxy cold gas contents in modern cosmological hydrodynamic simulations. Monthly Notices of the Royal Astronomical Society, 2020, 497, 146-166.	1.6	71
753	CO-to-H2 conversion and spectral column density in molecular clouds: the variability of the XCO factor. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1851-1861.	1.6	10
754	Intermittent AGN episodes drive outflows with a large spread of observable loading factors. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3633-3647.	1.6	10
755	Gas and star formation from HD and dust emission in a strongly lensed galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4109-4118.	1.6	7
756	Reproducing the CO-to-H2 conversion factor in cosmological simulations of Milky-Way-mass galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 499, 837-850.	1.6	11
757	What has quenched the massive spiral galaxies?. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 496, L116-L121.	1.2	10

#	Article	IF	CITATIONS
758	CO observations towards H <scp>i</scp> -rich Ultradiffuse Galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 499, L26-L30.	1.2	5
759	CO Multi-line Imaging of Nearby Galaxies (COMING). X. Physical conditions of molecular gas and the local SFR–mass relation. Publication of the Astronomical Society of Japan, 2020, 72, .	1.0	5
760	Spatially resolved molecular gas properties of host galaxy of Type I superluminous supernova SNÂ2017egm. Publication of the Astronomical Society of Japan, 2020, 72, .	1.0	4
761	Molecular outflows in local galaxies: Method comparison and a role of intermittent ACN driving. Astronomy and Astrophysics, 2020, 633, A134.	2.1	85
762	Molecular line ratio diagnostics along the radial cut and dusty ultraviolet-bright clumps in a spiral galaxy NGCÂ0628. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2682-2712.	1.6	5
763	CHAOS IV: Gas-phase Abundance Trends from the First Four CHAOS Galaxies. Astrophysical Journal, 2020, 893, 96.	1.6	67
764	A cold, massive, rotating disk galaxy 1.5 billion years after the Big Bang. Nature, 2020, 581, 269-272.	13.7	71
765	A Massive Molecular Torus inside a Gas-poor Circumnuclear Disk in the Radio Galaxy NGC 1052 Discovered with ALMA. Astrophysical Journal, 2020, 895, 73.	1.6	17
766	Local Molecular Gas toward the Aquila Rift Region. Astrophysical Journal, 2020, 893, 91.	1.6	9
767	Outflow from Outer-arm Starburst in a Grazing Collision between Galaxies. Astronomical Journal, 2020, 159, 180.	1.9	2
768	ART2: a 3D parallel multiwavelength radiative transfer code for continuum and atomic and molecular lines. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1919-1935.	1.6	10
769	Spatially Resolved Spectroscopic Properties of Low-Redshift Star-Forming Galaxies. Annual Review of Astronomy and Astrophysics, 2020, 58, 99-155.	8.1	126
770	CO, Water, and Tentative Methanol in η Carinae Approaching Periastron. Astrophysical Journal Letters, 2020, 892, L23.	3.0	9
771	AGN feedback in a galaxy merger: multi-phase, galaxy-scale outflows with a fast molecular gas blob â^1⁄46 kpc away from IRAS F08572+3915. Astronomy and Astrophysics, 2020, 635, A47.	2.1	25
772	GRB 190114C in the nuclear region of an interacting galaxy. Astronomy and Astrophysics, 2020, 633, A68.	2.1	12
773	The ISM scaling relations in DustPedia late-type galaxies: A benchmark study for the Local Universe. Astronomy and Astrophysics, 2020, 633, A100.	2.1	48
774	Diffuse Î ³ -ray emission from the vicinity of young massive star cluster RSGC 1. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3405-3412.	1.6	11
775	Spatial power spectra of dust across the Local Group: No constraint on disc scale height. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2663-2682.	1.6	13

#	Article	IF	CITATIONS
776	The Molecular Gas in the NGC 6240 Merging Galaxy System at the Highest Spatial Resolution. Astrophysical Journal, 2020, 890, 149.	1.6	20
777	The Molecular Cloud Lifecycle. Space Science Reviews, 2020, 216, 50.	3.7	77
778	COLDz: A High Space Density of Massive Dusty Starburst Galaxies â^1⁄41 Billion Years after the Big Bang. Astrophysical Journal, 2020, 895, 81.	1.6	50
779	VLA–ALMA Spectroscopic Survey in the Hubble Ultra Deep Field (VLASPECS): Total Cold Gas Masses and CO Line Ratios for zÂ=Â2–3 Main-sequence Galaxies. Astrophysical Journal Letters, 2020, 896, L21.	3.0	47
780	HAWC J2227+610 and Its Association with G106.3+2.7, a New Potential Galactic PeVatron. Astrophysical Journal Letters, 2020, 896, L29.	3.0	48
781	Large-scale Molecular Gas Distribution in the M17 Cloud Complex: Dense Gas Conditions of Massive Star Formation?. Astrophysical Journal, 2020, 891, 66.	1.6	14
782	ALMA Reveals the Molecular Gas Properties of Five Star-forming Galaxies across the Main Sequence at 3. Astrophysical Journal, 2020, 891, 83.	1.6	15
783	Impact of Low-Energy Cosmic Rays on Star Formation. Space Science Reviews, 2020, 216, 1.	3.7	67
784	S2COSMOS: Evolution of gas mass with redshift using dust emission. Monthly Notices of the Royal Astronomical Society, 2020, 494, 293-315.	1.6	12
785	Molecular gas inflows and outflows in ultraluminous infrared galaxies at <i>z</i> â^¼ 0.2 and one QSO at <i>z</i> = 6.1. Astronomy and Astrophysics, 2020, 633, L4.	2.1	17
786	ALMA CO Observations of the Host Galaxies of Long-duration Gamma-Ray Bursts. I. Molecular Gas Scaling Relations. Astrophysical Journal, 2020, 892, 42.	1.6	8
787	An ALMA CO(2–1) Survey of Nearby Palomar–Green Quasars. Astrophysical Journal, Supplement Series, 2020, 247, 15.	3.0	33
788	The ALMaQUEST Survey – II. What drives central starbursts at z â^1⁄4 0?. Monthly Notices of the Royal Astronomical Society, 2020, 492, 6027-6041.	1.6	32
789	The headlight cloud in NGC 628: An extreme giant molecular cloud in a typical galaxy disk. Astronomy and Astrophysics, 2020, 634, A121.	2.1	32
790	The Evolution of the Star-Forming Interstellar Medium Across Cosmic Time. Annual Review of Astronomy and Astrophysics, 2020, 58, 157-203.	8.1	223
791	Discovery of a [C i]-faint, CO-bright Galaxy: ALMA Observations of the Merging Galaxy NGC 6052. Astrophysical Journal Letters, 2020, 897, L19.	3.0	9
792	The Properties of the Interstellar Medium of Galaxies across Time as Traced by the Neutral Atomic Carbon [C i]. Astrophysical Journal, 2020, 890, 24.	1.6	68
793	The HASHTAG project I. A survey of CO(3–2) emission from the star forming disc of M31. Monthly Notices of the Royal Astronomical Society, 2020, 492, 195-209.	1.6	3

ARTICLE IF CITATIONS Multiphase Gas Flows in the Nearby Seyfert Galaxy ESO428–G014. Paper I. Astrophysical Journal, 2020, 794 29 1.6 890, 29. Structural and Dynamical Analysis of 0.1 pc Cores and Filaments in the 30 Doradus-10 Giant Molecular 795 1.6 Cloud. Astrophysical Journal, 2020, 888, 56. Revealing the CO X-factor in Dark Molecular Gas through Sensitive ALMA Absorption Observations. 796 3.0 9 Astrophysical Journal Letters, 2020, 889, L4. The CO(3–2)/CO(1–0) Luminosity Line Ratio in Nearby Star-forming Galaxies and Active Galactic Nuclei 797 from xCOLD GASS, BASS, and SLUGS. Astrophysical Journal, 2020, 889, 103. Gas-dust correlations in nearby galaxies: a case study of NGC 3184 and NGC 7793. Monthly Notices of 798 1.6 3 the Royal Astronomical Society, 2020, 492, 2517-2527. 799 Molecular gas in distant brightest cluster galaxies. Astronomy and Astrophysics, 2020, 635, A32. 2.1 800 The Forgotten Quadrant Survey. Astronomy and Astrophysics, 2020, 633, A147. 2.1 13 SILCC-Zoom: H2 and CO-dark gas in molecular clouds – the impact of feedback and magnetic fields. 1.6 Monthly Notices of the Royal Astronomical Society, 2020, 492, 1465-1483. 802 Probing the sea of galactic cosmic rays with Fermi-LAT. Physical Review D, 2020, 101, . 1.6 28 CO line and radio continuum study of elephant trunks: the Pillars of Creation in M16. Monthly 1.6 Notices of the Royal Astronomical Society, 2020, 492, 5966-5979. Cool outflows in galaxies and their implications. Astronomy and Astrophysics Review, 2020, 28, 1. 804 9.1 253 The EDGE–CALIFA survey: using optical extinction to probe the spatially resolved distribution of gas in 1.6 nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2651-2662. Pal², Hl[±], and Attenuation in NGC 5194 and NGC 6946. Astrophysical Journal, 2020, 892, 23. 806 1.6 8 Dynamical Equilibrium in the Molecular ISM in 28 Nearby Star-forming Galaxies. Astrophysical Journal, 1.6 2020, 892, 148. FOREST unbiased Galactic plane imaging survey with the Nobeyama 45Âm telescope (FUGIN). VI. Dense gas and mini-starbursts in the WÂ43 giant molecular cloud complex. Publication of the Astronomical 808 1.0 18 Society of Japan, 2021, 73, S129-S171. CO observations toward the isolated mid-infrared bubble S44: External triggering of O-star formation by a cloud–cloud collision. Publication of the Astronomical Society of Japan, 2021, 73, 809 S338-S354. Distances to molecular clouds in the second Galactic quadrant. Astronomy and Astrophysics, 2021, 810 2.111 645, A129. Redshift evolution of the H2/H  <scp>i</scp> mass ratio in galaxies. Monthly Notices of the Royal 811 1.2 Astronomical Society: Letters, 2021, 502, L85-L89.

#	Article	IF	CITATIONS
812	ALMA view of the Galactic super star cluster RCW 38 at 270 au resolution. Publication of the Astronomical Society of Japan, 2021, 73, 205-219.	1.0	3
813	A Long Stream of Metal-poor Cool Gas around a Massive Starburst Galaxy at z = 2.67. Astrophysical Journal, 2021, 908, 188.	1.6	11
814	Compact Molecular Gas Distribution in Quasar Host Galaxies. Astrophysical Journal, 2021, 908, 231.	1.6	14
815	Broad-velocity-width Molecular Features in the Galactic Plane. Astrophysical Journal, 2021, 908, 246.	1.6	2
816	Multiwavelength dissection of a massive heavily dust-obscured galaxy and its blue companion at <i>z</i> â^1⁄42. Astronomy and Astrophysics, 2021, 646, A127.	2.1	5
817	ALMA Measures Rapidly Depleted Molecular Gas Reservoirs in Massive Quiescent Galaxies at z â^1⁄4 1.5. Astrophysical Journal, 2021, 908, 54.	1.6	36
818	Revisiting the Integrated Star Formation Law. II. Starbursts and the Combined Global Schmidt Law. Astrophysical Journal, 2021, 908, 61.	1.6	80
819	The EDGE–CALIFA survey: the local and global relations between Σ*, ΣSFR, and Σmol that regulate star formation. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1615-1635.	1.6	32
820	SUPER. Astronomy and Astrophysics, 2021, 646, A96.	2.1	25
821	Integral field spectroscopy of luminous infrared main-sequence galaxies at cosmic noon. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5329-5350.	1.6	4
822	Probing the Cold Deep Depths of the California Molecular Cloud: The Icy Relationship between CO and Dust. Astrophysical Journal, 2021, 908, 76.	1.6	9
823	Turbulent Gas in Lensed Planck-selected Starbursts at zÂâ^¼Â1–3.5. Astrophysical Journal, 2021, 908, 95.	1.6	50
824	CO Multi-line Imaging of Nearby Galaxies (COMING). IX. 12 CO(<i>J</i> = 2–1)/ 12 CO(<i>J</i> = 1–0) line ratio on kiloparsec scale Astronomical Society of Japan, 2021, 73, 257-285.	s. P.ø blicat	io a æf the
825	Close-up view of a luminous star-forming galaxy at <i>z</i> = 2.95. Astronomy and Astrophysics, 2021, 646, A122.	2.1	23
826	Stellar Feedback on the Earliest Stage of Massive Star Formation. Astrophysical Journal, 2021, 907, 106.	1.6	3
827	The Diverse Molecular Gas Content of Massive Galaxies Undergoing Quenching at z â^1⁄4 1. Astrophysical Journal Letters, 2021, 909, L11.	3.0	24
828	[C ii] and CO Emission along the Bar and Counter-arms of NGC 7479*. Astrophysical Journal, 2021, 909, 204.	1.6	3
829	The EDGE-CALIFA survey: self-regulation of star formation at kpc scales. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3643-3659.	1.6	25

	CITATION RE	PORT	
#	ARTICLE	IF	CITATIONS
830	Towards a fully consistent Milky Way disk model. Astronomy and Astrophysics, 2021, 647, A39.	2.1	9
831	WISDOM project – VIII. Multiscale feedback cycles in the brightest cluster galaxy NGC 0708. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5179-5192.	1.6	15
832	Revisited Cold Gas Content with Atomic Carbon [C i] in z = 2.5 Protocluster Galaxies. Astrophysical Journal, 2021, 909, 181.	1.6	8
833	Localized-plasma-assisted rotational transitions in the terahertz region. Physical Review A, 2021, 103, .	1.0	4
835	CO Excitation, Molecular Gas Density, and Interstellar Radiation Field in Local and High-redshift Galaxies. Astrophysical Journal, 2021, 909, 56.	1.6	28
836	Shocks and Molecules in Diffuse Interstellar Cloud Pairs. Astrophysical Journal, 2021, 909, 71.	1.6	3
837	On the duration of the embedded phase of star formation. Monthly Notices of the Royal Astronomical Society, 2021, 504, 487-509.	1.6	61
838	Sustaining Star Formation in the Galactic Star Cluster M 36?. Astrophysical Journal, 2021, 910, 80.	1.6	3
839	Systematic Difference between Ionized and Molecular Gas Velocity Dispersions in z â^1⁄4 1–2 Disks and Local Analogs. Astrophysical Journal, 2021, 909, 12.	1.6	27
840	New constraints on the 12CO(2–1)/(1–0) line ratio across nearby disc galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3221-3245.	1.6	71
841	Internal Structure of Molecular Gas in a Main-sequence Galaxy With a UV Clump at z = 1.45. Astrophysical Journal, 2021, 909, 84.	1.6	1
842	A Massive, Clumpy Molecular Gas Distribution and Displaced AGN in Zw 3146. Astrophysical Journal, 2021, 910, 53.	1.6	7
843	SEEDisCS. Astronomy and Astrophysics, 2021, 647, A156.	2.1	8
844	WISDOM project – VII. Molecular gas measurement of the supermassive black hole mass in the elliptical galaxy NGC 7052. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5984-5996.	1.6	16
845	A CO Survey of SpARCS Star-forming Brightest Cluster Galaxies: Evidence for Uniformity in BCG Molecular Gas Processing across Cosmic Time. Astrophysical Journal Letters, 2021, 909, L29.	3.0	6
846	The Carbon-to-H2, CO-to-H2 conversion factors, and carbon abundance on kiloparsec scales in nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2360-2380.	1.6	10
847	Connecting X-ray nuclear winds with galaxy-scale ionised outflows in two <i>z</i> â^¼â€" 1.5 lensed qu Astronomy and Astrophysics, 2021, 648, A99.	Jasars. 2.1	15
848	Assessing the Stellar Population and the Environment of an H ii Region on the Far Side of the Galaxy*. Astrophysical Journal, 2021, 911, 91.	1.6	0

		CITATION RE	PORT	
#	Article		IF	CITATIONS
849	A MeerKAT view of pre-processing in the Fornax A group. Astronomy and Astrophysics, 2021, 6	548, A32.	2.1	23
850	Atomic carbon [C <scp>i</scp>](3 <i>P</i> 1–3 <i>P</i> 0) mapping of the nearby galaxy the Astronomical Society of Japan, 2021, 73, 552-567.	/ M 83. Publica	ation of	6
851	A nearby galaxy perspective on dust evolution. Astronomy and Astrophysics, 2021, 649, A18.		2.1	48
852	Molecular Gas Distribution Perpendicular to the Galactic Plane. Astrophysical Journal, 2021, 91	.0, 131.	1.6	13
853	Modelling H2 and its effects on star formation using a joint implementation of gadget-3 and K Monthly Notices of the Royal Astronomical Society, 2021, 504, 2325-2345.	ROME.	1.6	4
854	Molecular Clouds in the Second Quadrant of the Milky Way Midplane from l = $104.\hat{A}^{\circ}75$ to l = b = $\hat{a}^{\circ}5.\hat{A}^{\circ}25$ to b = $5.\hat{A}^{\circ}25$. Astrophysical Journal, Supplement Series, 2021, 254, 3.	119.°75 and	3.0	11
855	Estimating Lifetimes of UV-selected Massive Galaxies at 0.5 â‰ष्ट â‰ष्ट.5 in the COSMOS/Ult through Clustering Analyses. Astrophysical Journal, 2021, 911, 59.	raVISTA Field	1.6	4
856	A giant molecular cloud catalogue in the molecular disc of the elliptical galaxy NGC 5128 (Centaurus A). Monthly Notices of the Royal Astronomical Society, 2021, 504, 6198-621	5.	1.6	4
857	Multitracer Cosmological Line Intensity Mapping Mock Light-cone Simulation. Astrophysical Jo 2021, 911, 132.	urnal,	1.6	25
858	An interacting molecular cloud scenario for production of gamma-rays and neutrinos from MA J1835-069, and MAGIC J1837-073. European Physical Journal C, 2021, 81, 1.	GIC	1.4	3
859	Deep Observations of CO and Free–Free Emission in Ultraluminous Infrared QSO IRAS F075 Astrophysical Journal, 2021, 913, 82.	99+6508.	1.6	3
860	Molecular line ratio diagnostics and gas kinematics in the AGN host Seyfert galaxy NGCÂ5033 Notices of the Royal Astronomical Society, 2021, 504, 5941-5953.	. Monthly	1.6	0
861	A scaling relation for the molecular cloud lifetime in Milky Way-like galaxies. Monthly Notices of Royal Astronomical Society, 2021, 505, 1678-1698.	of the	1.6	13
862	Multiwavelength investigation of the candidate Galactic PeVatron MGROÂJ1908+06. Monthly the Royal Astronomical Society, 2021, 505, 2309-2315.	Notices of	1.6	10
863	WISDOM Project – IX. Giant molecular clouds in the lenticular galaxy NGC 4429: effects of s tidal forces on clouds. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4048-40		1.6	19
864	Simultaneous Deep Measurements of CO Isotopologues and Dust Emission in Giant Molecular in the Andromeda Galaxy. Astrophysical Journal, 2021, 912, 68.	Clouds	1.6	3
865	Cosmic Evolution of the H ₂ Mass Density and the Epoch of Molecular Gas. Astrop Journal, 2021, 912, 62.	ohysical	1.6	8
866	Benchmarking Dust Emission Models in M101. Astrophysical Journal, 2021, 912, 103.		1.6	14

#	Article	IF	CITATIONS
867	Momentum feedback from marginally resolved H <scp>ii</scp> regions in isolated disc galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3470-3491.	1.6	27
868	The EDGE–CALIFA survey: central molecular gas depletion in AGN host galaxies – a smoking gun for quenching?. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 505, L46-L51.	1.2	33
869	Gamma Rays as Probes of Cosmic-Ray Propagation and Interactions in Galaxies. Universe, 2021, 7, 141.	0.9	29
870	MUSE-ALMA haloes VI: coupling atomic, ionized, and molecular gas kinematics of galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4746-4761.	1.6	11
871	H2 molecular gas absorption-selected systems trace CO molecular gas-rich galaxy overdensities. Monthly Notices of the Royal Astronomical Society, 2021, 506, 514-522.	1.6	4
872	Comprehensive Gas Characterization of a z = 2.5 Protocluster: A Cluster Core Caught in the Beginning of Virialization?. Astrophysical Journal, 2021, 913, 110.	1.6	24
873	Observational Evidence for a Thick Disk of Dark Molecular Gas in the Outer Galaxy. Astrophysical Journal, 2021, 914, 72.	1.6	9
874	Star formation scaling relations at â ¹ /4100 pc from PHANGS: Impact of completeness and spatial scale. Astronomy and Astrophysics, 2021, 650, A134.	2.1	50
875	A Phase-space View of Cold-gas Properties of Virgo Cluster Galaxies: Multiple Quenching Processes at Work?. Astrophysical Journal, 2021, 914, 145.	1.6	10
876	The Organization of Cloud-scale Gas Density Structure: High-resolution CO versus 3.6 μm Brightness Contrasts in Nearby Galaxies. Astrophysical Journal, 2021, 913, 113.	1.6	10
877	Dense molecular gas properties on 100Âpc scales across the disc of NGCÂ3627. Monthly Notices of the Royal Astronomical Society, 2021, 506, 963-988.	1.6	24
878	The interstellar medium in young supernova remnants: key to the production of cosmic X-rays and \$gamma \$-rays. Astrophysics and Space Science, 2021, 366, 1.	0.5	8
879	Molecular gas kinematics in the nuclear region of nearby Seyfert galaxies with ALMA. Astronomy and Astrophysics, 2021, 654, A24.	2.1	9
880	NOEMA High-fidelity Imaging of the Molecular Gas in and around M82. Astrophysical Journal Letters, 2021, 915, L3.	3.0	10
881	Instability analysis for spiral arms of local galaxies: M51, NGC 3627, and NGC 628. Monthly Notices of the Royal Astronomical Society, 2021, 506, 84-97.	1.6	7
882	The Nuclear Region of NGC 1365: Star Formation, Negative Feedback, and Outflow Structure. Astrophysical Journal, 2021, 913, 139.	1.6	14
883	Measuring the Average Molecular Gas Content of Star-forming Galaxies at z = 3–4. Astrophysical Journal, 2021, 916, 12.	1.6	10
884	Remarkably high mass and velocity dispersion of molecular gas associated with a regular, absorption-selected type I quasar. Astronomy and Astrophysics, 2021, 651, A17.	2.1	4

#	Article	IF	CITATIONS
885	Probing Cosmic Reionization and Molecular Gas Growth with TIME. Astrophysical Journal, 2021, 915, 33.	1.6	27
886	Physics of ULIRGs with MUSE and ALMA: The PUMA project. Astronomy and Astrophysics, 2021, 651, A42.	2.1	25
887	ALMA Host Galaxy Observation of the Off-axis Gamma-Ray Burst XRF 020903. Astrophysical Journal, 2021, 915, 46.	1.6	1
888	GRB host galaxies with strong H2 absorption: CO-dark molecular gas at the peak of cosmic star formation. Monthly Notices of the Royal Astronomical Society, 2021, 507, 1434-1440.	1.6	0
889	Transport of Protostellar Cosmic Rays in Turbulent Dense Cores. Astrophysical Journal, 2021, 915, 43.	1.6	10
890	PHANGS–ALMA Data Processing and Pipeline. Astrophysical Journal, Supplement Series, 2021, 255, 19.	3.0	79
891	A hard X-ray view of luminous and ultra-luminous infrared galaxies in GOALS – I. AGN obscuration along the merger sequence. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5935-5950.	1.6	36
892	[Câ€ [−] II] 158 μm line emission from Orion A I. A template for extragalactic studies?. Astronomy and Astrophysics, 2021, 651, A111.	2.1	8
893	Bayesian inference of three-dimensional gas maps. Astronomy and Astrophysics, 2021, 655, A64.	2.1	6
894	Molecular Gas in a Gravitationally Lensed Galaxy Group at z = 2.9. Astrophysical Journal, 2021, 917, 79.	1.6	3
895	Orbiting Astronomical Satellite for Investigating Stellar Systems (OASIS): following the water trail from the interstellar medium to oceans. , 2021, , .		8
896	The Galaxy Activity, Torus, and Outflow Survey (GATOS). Astronomy and Astrophysics, 2021, 652, A98.	2.1	60
897	ALMA Observations of the Sub-kpc Structure of the Host Galaxy of a <i>z</i> = 6.5 Lensed Quasar: A Rotationally Supported Hyper-Starburst System at the Epoch of Reionization. Astrophysical Journal, 2021, 917, 99.	1.6	16
898	Molecular gas budget and characterization of intermediate-mass star-forming galaxies at <i>z</i> â‰^ 2–3. Astronomy and Astrophysics, 2021, 655, A42.	2.1	5
899	Census of High- and Medium-mass Protostars. V. CO Abundance and the Galactic X _{CO} Factor. Astrophysical Journal, Supplement Series, 2021, 256, 3.	3.0	6
900	Molecular gas and star formation within 12 strong galactic bars observed with IRAM-30 m. Astronomy and Astrophysics, 2021, 654, A135.	2.1	6
901	Physical Conditions in the LMC's Quiescent Molecular Ridge: Fitting Non-LTE Models to CO Emission. Astrophysical Journal, 2021, 917, 106.	1.6	2
902	Physical Characterization of Serendipitously Uncovered Millimeter-wave Line-emitting Galaxies at z â^1⁄4 2.5 behind the Local Luminous Infrared Galaxy VV 114. Astrophysical Journal, 2021, 917, 94.	1.6	4

#	Article	IF	Citations
903	SEEDisCS. Astronomy and Astrophysics, 2021, 654, A69.	2.1	3
904	Molecular cloud catalogue from ¹³ CO (1–0) data of the Forgotten Quadrant Survey. Astronomy and Astrophysics, 2021, 654, A144.	2.1	6
905	Black hole feeding and star formation in NGC 1808. Astronomy and Astrophysics, 2021, 656, A60.	2.1	9
906	Extremely weak CO emission in IZw 18. Astronomy and Astrophysics, 2021, 653, L10.	2.1	4
907	Stellar structures, molecular gas, and star formation across the PHANGS sample of nearby galaxies. Astronomy and Astrophysics, 2021, 656, A133.	2.1	53
908	Examinations of CO Completeness Based on Three Independent CO Surveys. Astrophysical Journal, Supplement Series, 2021, 256, 32.	3.0	7
909	Associated Molecular and Atomic Clouds with X-Ray Shell of Superbubble 30 Doradus C in the LMC. Astrophysical Journal, 2021, 918, 36.	1.6	1
910	Observations of cold gas and star formation in dwarf S0 galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4262-4273.	1.6	1
911	Frequency and nature of central molecular outflows in nearby star-forming disk galaxies. Astronomy and Astrophysics, 2021, 653, A172.	2.1	19
912	The IBISCO survey. Astronomy and Astrophysics, 2021, 655, A25.	2.1	7
913	AGN feeding and feedback in Fornax A. Astronomy and Astrophysics, 2021, 656, A45.	2.1	21
914	NOEMA Observations of CO Emission in Arp 142 and Arp 238. Astrophysical Journal, 2021, 918, 55.	1.6	4
915	Perseus arm – a new perspective on star formation and spiral structure in our home galaxy. Monthly Notices of the Royal Astronomical Society, 2021, 509, 68-84.	1.6	0
916	Taking snapshots of the jet-ISM interplay: The case of PKS 0023–26. Astronomy and Astrophysics, 2021, 656, A55.	2.1	19
917	Jet-driven AGN feedback on molecular gas and low star-formation efficiency in a massive local spiral galaxy with a bright X-ray halo. Astronomy and Astrophysics, 2021, 654, A8.	2.1	19
918	ALMA CO Observations of the Mixed-morphology Supernova Remnant W49B: Efficient Production of Recombining Plasma and Hadronic Gamma Rays via Shock–Cloud Interactions. Astrophysical Journal, 2021, 919, 123.	1.6	19
919	Photodissociation region diagnostics across galactic environments. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2701-2732.	1.6	29
920	The Dawes Review 9: The role of cold gas stripping on the star formation quenching of satellite galaxies. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	101

#	Article	IF	CITATIONS
921	Resolving the Dust-to-Metals Ratio and CO-to-H ₂ Conversion Factor in the Nearby Universe. Astrophysical Journal, 2021, 907, 29.	1.6	19
922	Star formation and nuclear activity in luminous infrared galaxies: an infrared through radio review. Astronomy and Astrophysics Review, 2021, 29, 1.	9.1	36
923	Three-dimensional Structure and Dust Extinction in the Small Magellanic Cloud. Astrophysical Journal, 2021, 907, 50.	1.6	7
924	powderday: Dust Radiative Transfer for Galaxy Simulations. Astrophysical Journal, Supplement Series, 2021, 252, 12.	3.0	35
926	Gas compression and stellar feedback in the tidally interacting and ram-pressure stripped Virgo spiral galaxy NGC 4654. Astronomy and Astrophysics, 2021, 645, A111.	2.1	14
927	Giant molecular cloud catalogues for PHANGS-ALMA: methods and initial results. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1218-1245.	1.6	75
928	Molecular Gas in the Outskirts. Astrophysics and Space Science Library, 2017, , 175-207.	1.0	6
929	Galaxy growth in a massive halo in the first billion years of cosmic history. Nature, 2018, 553, 51-54.	13.7	169
930	Gas-to-dust mass ratios in local galaxies over a 2 dex metallicity range. Astronomy and Astrophysics, 2014, 563, A31.	2.1	460
931	A resolved analysis of cold dust and gas in the nearby edge-on spiral NGC 891. Astronomy and Astrophysics, 2014, 565, A4.	2.1	47
932	CO map and steep Kennicutt-Schmidt relation in the extended UV disk of M 63. Astronomy and Astrophysics, 2014, 566, A147.	2.1	22
933	Spatially resolved physical conditions of molecular gas and potential star formation tracers in M 83, revealed by the <i>Herschel</i> SPIRE FTS. Astronomy and Astrophysics, 2015, 575, A88.	2.1	27
934	Cosmic ray induced ionisation of a molecular cloud shocked by the W28 supernova remnant. Astronomy and Astrophysics, 2014, 568, A50.	2.1	56
935	The nuclear gas disk of NGC 1566 dissected by SINFONI and ALMA. Astronomy and Astrophysics, 2015, 583, A104.	2.1	21
936	Evidence for feedback in action from the molecular gas content in the <i>z</i> ~ 1.6 outflowing QSO XID2028. Astronomy and Astrophysics, 2015, 578, A11.	2.1	43
937	High-resolution imaging of the molecular outflows in two mergers: IRAS 17208-0014 and NGC 1614. Astronomy and Astrophysics, 2015, 580, A35.	2.1	68
938	A low-luminosity type-1 QSO sample. Astronomy and Astrophysics, 2016, 587, A137.	2.1	5

#	Article	IF	CITATIONS
940	Massive stars formed in atomic hydrogen reservoirs: H l observations of gamma-ray burst host galaxies. Astronomy and Astrophysics, 2015, 582, A78.	2.1	55
941	Effects of environmental gas compression on the multiphase ISM and star formation. Astronomy and Astrophysics, 2016, 587, A108.	2.1	23
942	Where does the gas fueling star formation in brightest cluster galaxies originate?. Astronomy and Astrophysics, 2016, 595, A123.	2.1	17
943	The <i>Herschel</i> Virgo Cluster Survey. Astronomy and Astrophysics, 2017, 597, A130.	2.1	20
944	Disentangling the ISM phases of the dwarf galaxy NGC 4214 using [C ii] SOFIA/GREAT observations. Astronomy and Astrophysics, 2017, 599, A9.	2.1	20
945	ALMA reveals optically thin, highly excited CO gas in the jet-driven winds of the galaxy IC 5063. Astronomy and Astrophysics, 2016, 595, L7.	2.1	69
946	ALMA hints at the existence of an unseen reservoir of diffuse molecular gas in the Galactic bulge. Astronomy and Astrophysics, 2017, 600, A48.	2.1	8
947	The final data release of ALLSMOG: a survey of CO in typical local low- <i>M</i> _{â^—} star-forming galaxies. Astronomy and Astrophysics, 2017, 604, A53.	2.1	42
948	Natal molecular cloud of SNR Kes 41. Complete characterisation. Astronomy and Astrophysics, 2018, 619, A108.	2.1	2
949	A dynamically young, gravitationally stable network of filaments in Orion B. Astronomy and Astrophysics, 2019, 624, A113.	2.1	25
950	Neutral carbon and highly excited CO in a massive star-forming main sequence galaxy at <i>z</i> = 2.2. Astronomy and Astrophysics, 2019, 628, A104.	2.1	16
951	ALMA observations of PKS 1549–79: a case of feeding and feedback in a young radio quasar. Astronomy and Astrophysics, 2019, 632, A66.	2.1	20
952	Scaling relations and baryonic cycling in local star-forming galaxies. Astronomy and Astrophysics, 2020, 638, A4.	2.1	11
953	A CO molecular gas wind 340 pc away from the Seyfert 2 nucleus in ESO 420-G13 probes an elusive radio jet. Astronomy and Astrophysics, 2020, 633, A127.	2.1	18
954	The Lyman Alpha Reference Sample. Astronomy and Astrophysics, 2020, 644, A10.	2.1	11
955	Autonomous Gaussian decomposition of the Galactic Ring Survey. Astronomy and Astrophysics, 2020, 633, A14.	2.1	12
956	Searching for molecular gas inflows and outflows in the nuclear regions of five Seyfert galaxies. Astronomy and Astrophysics, 2020, 643, A127.	2.1	21
957	Molecular gas and star formation activity in luminous infrared galaxies in clusters at intermediate redshifts. Astronomy and Astrophysics, 2020, 640, A64.	2.1	11

ARTICLE IF CITATIONS # ALMA resolves molecular clouds in metal-poor Magellanic Bridge A. Astronomy and Astrophysics, 958 2.1 5 2020, 641, A97. Distance, magnetic field, and kinematics of the filamentary cloud LDN 1157. Astronomy and 2.1 Astrophysics, 2020, 639, A133. Hâ€l filaments are cold and associated with dark molecular gas. Astronomy and Astrophysics, 2020, 639, 960 2.1 23 A26. Molecular gas in the central region of NGC 7213. Astronomy and Astrophysics, 2020, 641, A151. Quantitative inference of the H₂ column densities from 3 mm molecular emission: case 962 2.1 11 study towards Orion B. Astronomy and Astrophysics, 2021, 645, A27. From spirals to lenticulars: Evidence from the rotation curves and mass models of three early-type 2.1 galaxies. Astronomy and Astrophysics, 2020, 641, A31. 964 The ALPINE-ALMA [Câ€II] survey. Astronomy and Astrophysics, 2020, 643, A5. 2.1 55 Multiphase feedback processes in the Sy2 galaxy NGC 5643. Astronomy and Astrophysics, 2021, 645, A21. 2.1 965 26 CO emission in distant galaxies on and above the main sequence. Astronomy and Astrophysics, 2020, 966 2.1 36 641, A155. Interstellar anatomy of the TeV gamma-ray peak in the IC443 supernova remnant. Astronomy and 2.1 Astrophysics, 2020, 644, A64. Massive molecular gas reservoir around the central AGN in the CARLA J1103 + 3449 cluster at $\langle i \rangle z \langle i \rangle =$ 968 4 2.1 1.44. Astronomy and Astrophysics, 2020, 641, A22. The molecular mass function of the local Universe. Astronomy and Astrophysics, 2020, 643, L11. 2.1 Search and analysis of giant radio galaxies with associated nuclei (SAGAN). Astronomy and 970 2.1 11 Astrophysics, 2020, 643, A111. Discovery of molecular gas fueling galaxy growth in a protocluster at $\langle i \rangle z \langle l \rangle = 1.7$. Astronomy and 971 2.1 Astrophysics, 2020, 641, L6. Tracing the total molecular gas in galaxies: [CII] and the CO-dark gas. Astronomy and Astrophysics, 972 2.1 84 2020, 643, A141. Galaxy-scale ionised winds driven by ultra-fast outflows in two nearby quasars. Astronomy and Astrophysics, 2020, 644, A15. MeerKAT HI commissioning observations of MHONGOOSE galaxy ESO 302-G014. Astronomy and 974 2.110 Astrophysics, 2020, 643, A147. The volumetric star formation law for nearby galaxies. Astronomy and Astrophysics, 2020, 644, A125. 2.1

#	Article	IF	CITATIONS
976	The EDGE-CALIFA survey: exploring the role of molecular gas on galaxy star formation quenching. Astronomy and Astrophysics, 2020, 644, A97.	2.1	25
977	VALES. Astronomy and Astrophysics, 2020, 643, A78.	2.1	8
978	Scaling relations and baryonic cycling in local star-forming galaxies. Astronomy and Astrophysics, 2020, 643, A180.	2.1	28
979	The WISSH quasars project. Astronomy and Astrophysics, 2021, 645, A33.	2.1	41
980	Highly turbulent gas on GMC scales in NGCÂ3256, the nearest luminous infrared galaxy. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4730-4748.	1.6	11
981	Dust continuum, CO, and  [C <scp>i</scp>] 1 â^ 0 lines: self-consistent H2 mass estimates and the possibility of globally CO-†dark' galaxies at <i>z</i> = 0.35. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2573-2607.	1.6	20
982	Molecular hydrogen in IllustrisTNG galaxies: carefully comparing signatures of environment with local CO and SFR data. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3158-3178.	1.6	25
983	MusE GAs FLOw and wind (MEGAFLOW) VII. A NOEMA pilot program to probe molecular gas in galaxies with measured circumgalactic gas flows. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1900-1910.	1.6	7
984	The ALMaQUEST Survey – V. The non-universality of kpc-scale star formation relations and the factors that drive them. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4777-4797.	1.6	45
985	An ALMA/NOEMA survey of the molecular gas properties of high-redshift star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3926-3950.	1.6	42
986	High-redshift star formation in the Atacama large millimetre/submillimetre array era. Royal Society Open Science, 2020, 7, 200556.	1.1	116
987	Dark Matter in the Central Region of NGC 3256. Sains Malaysiana, 2018, 47, 1241-1249.	0.3	3
988	HOW DENSE IS YOUR GAS? ON THE RECOVERABILITY OF LVG MODEL PARAMETERS. Astrophysical Journal, 2016, 819, 161.	1.6	22
989	LOW GAS FRACTIONS CONNECT COMPACT STAR-FORMING GALAXIES TO THEIR zÂâ^1/4Â2 QUIESCENT DESCENDANTS. Astrophysical Journal, 2016, 832, 19.	1.6	42
990	The Hot Gas Exhaust of Starburst Engines in Mergers: Testing Models of Stellar Feedback and Star Formation Regulation. Astronomical Journal, 2019, 158, 169.	1.9	6
991	Plateau de Bure High-z Blue Sequence Survey 2 (PHIBSS2): Search for Secondary Sources, CO Luminosity Functions in the Field, and the Evolution of Molecular Gas Density through Cosmic Time*. Astronomical Journal, 2020, 159, 190.	1.9	36
992	ALMA Observations of N83C in the Early Stage of Star Formation in the Small Magellanic Cloud. Astrophysical Journal, 2017, 844, 98.	1.6	20
993	Cold Molecular Gas Along the Merger Sequence in Local Luminous Infrared Galaxies. Astrophysical Journal, 2017, 844, 96.	1.6	25

#	Article	IF	CITATIONS
994	The Dust and Molecular Gas in the Brightest Cluster Galaxy in MACS 1931.8-2635. Astrophysical Journal, 2019, 879, 103.	1.6	26
995	The ALMA Spectroscopic Survey in the Hubble Ultra Deep Field: Evolution of the Molecular Gas in CO-selected Galaxies. Astrophysical Journal, 2019, 882, 136.	1.6	59
996	The ALMA Spectroscopic Survey in the HUDF: CO Luminosity Functions and the Molecular Gas Content of Galaxies through Cosmic History. Astrophysical Journal, 2019, 882, 138.	1.6	114
997	The ALMA Spectroscopic Survey in the HUDF: Nature and Physical Properties of Gas-mass Selected Galaxies Using MUSE Spectroscopy. Astrophysical Journal, 2019, 882, 140.	1.6	42
998	Large Molecular Gas Reservoirs in Star-forming Cluster Galaxies. Astrophysical Journal, 2019, 882, 132.	1.6	8
999	Nobeyama 45 m Cygnus-X CO Survey. II. Physical Properties of C ¹⁸ O Clumps. Astrophysical Journal, 2019, 883, 156.	1.6	6
1000	ALMA Unveils Widespread Molecular Gas Clumps in the Ram Pressure Stripped Tail of the Norma Jellyfish Galaxy. Astrophysical Journal, 2019, 883, 145.	1.6	78
1001	[C i](1–0) and [C i](2–1) in Resolved Local Galaxies*. Astrophysical Journal, 2019, 887, 105.	1.6	22
1002	Dirt-cheap Gas Scaling Relations: Using Dust Absorption, Metallicity, and Galaxy Size to Predict Gas Masses for Large Samples of Galaxies. Astrophysical Journal, 2019, 884, 177.	1.6	29
1003	Molecular Cloud Distances Based on the MWISP CO Survey and <i>Gaia</i> DR2. Astrophysical Journal, 2019, 885, 19.	1.6	17
1004	Relations between Molecular Cloud Structure Sizes and Line Widths in the Large Magellanic Cloud. Astrophysical Journal, 2019, 885, 50.	1.6	24
1005	Tracing the Formation of Molecular Clouds in a Low-metallicity Galaxy: An H i Narrow Self-absorption Survey of the Large Magellanic Cloud. Astrophysical Journal, 2019, 887, 242.	1.6	3
1006	A Self-consistent Framework for Multiline Modeling in Line Intensity Mapping Experiments. Astrophysical Journal, 2019, 887, 142.	1.6	37
1007	Automated Mining of the ALMA Archive in the COSMOS Field (A ³ COSMOS). II. Cold Molecular Gas Evolution out to Redshift 6. Astrophysical Journal, 2019, 887, 235.	1.6	85
1008	GASP. XXII. The Molecular Gas Content of the JW100 Jellyfish Galaxy at zÂâ^1⁄4Â0.05: Does Ram Pressure Promote Molecular Gas Formation?. Astrophysical Journal, 2020, 889, 9.	1.6	58
1009	The Physical Properties of S0 Galaxy PGC 26218: The Origin of Starburst and Star Formation. Astrophysical Journal, 2020, 889, 132.	1.6	6
1010	First Resolved Dust Continuum Measurements of Individual Giant Molecular Clouds in the Andromeda Galaxy. Astrophysical Journal, 2020, 890, 42.	1.6	3
1011	Spinning Bar and a Star-formation Inefficient Repertoire: Turbulence in Hickson Compact Group NGC 7674. Astrophysical Journal, 2020, 893, 26.	1.6	4

#	Article	IF	CITATIONS
1012	The ALMA Spectroscopic Survey in the HUDF: The Cosmic Dust and Gas Mass Densities in Galaxies up to zÂâ^1⁄4Â3. Astrophysical Journal, 2020, 892, 66.	1.6	41
1013	Mass Functions of Giant Molecular Clouds and Young Star Clusters in Six Nearby Galaxies. Astrophysical Journal, 2020, 893, 135.	1.6	21
1014	Atacama Compact Array Measurements of the Molecular Mass in the NGC 5044 Cooling-flow Group. Astrophysical Journal, 2020, 894, 72.	1.6	14
1015	ALMA Observations of the Molecular Clouds in NGC 625. Astrophysical Journal, 2020, 895, 21.	1.6	4
1016	Arp 220: New Observational Insights into the Structure and Kinematics of the Nuclear Molecular Disks and Surrounding Gas. Astrophysical Journal, 2020, 896, 43.	1.6	12
1017	CO Emission and CO Hot Spots in Diffuse Molecular Gas. Astrophysical Journal, 2020, 897, 104.	1.6	6
1018	The ALMA Spectroscopic Survey in the Hubble Ultra Deep Field: The Nature of the Faintest Dusty Star-forming Galaxies. Astrophysical Journal, 2020, 901, 79.	1.6	45
1019	Herschel 158 μm [C ii] Observations of "CO-dark―Gas in the Perseus Giant Molecular Cloud. Astrophysical Journal, 2020, 899, 23.	1.6	3
1020	The Mass–Size Relation and the Constancy of GMC Surface Densities in the Milky Way. Astrophysical Journal, 2020, 898, 3.	1.6	28
1021	ALMA Observations of Multiple CO and C Lines toward the Active Galactic Nucleus of NGC 7469: An X-Ray-dominated Region Caught in the Act. Astrophysical Journal, 2020, 898, 75.	1.6	38
1022	Distances and Statistics of Local Molecular Clouds in the First Galactic Quadrant. Astrophysical Journal, 2020, 898, 80.	1.6	23
1023	The Formation of a Stellar Association in the NGC 7000/IC 5070 Complex: Results from Kinematic Analysis of Stars and Gas. Astrophysical Journal, 2020, 899, 128.	1.6	30
1024	Local Starburst Conditions and Formation of GRB 980425/SN 1998bw within a Collisional Ring. Astrophysical Journal, 2020, 899, 165.	1.6	5
1025	ACN Feedback and Star Formation of Quasar Host Galaxies: Insights from the Molecular Gas. Astrophysical Journal, 2020, 899, 112.	1.6	61
1026	The Turbulent Gas Structure in the Centers of NGCÂ253 and the Milky Way. Astrophysical Journal, 2020, 899, 158.	1.6	9
1027	Constraints on Dynamical Dark Energy Models from the Abundance of Massive Galaxies at High Redshifts. Astrophysical Journal, 2020, 900, 108.	1.6	9
1028	The ALMA Spectroscopic Survey in the Hubble Ultra Deep Field: Multiband Constraints on Line-luminosity Functions and the Cosmic Density of Molecular Gas. Astrophysical Journal, 2020, 902, 110.	1.6	62
1029	Some Die Filthy Rich: The Diverse Molecular Gas Contents of Post-starburst Galaxies Probed by Dust Absorption. Astrophysical Journal, 2020, 900, 107.	1.6	14

#	Article	IF	CITATIONS
1030	A SOFIA Survey of [C ii] in the Galaxy M51. II. [C ii] and CO Kinematics across the Spiral Arms. Astrophysical Journal, 2020, 900, 132.	1.6	6
1031	Star-forming versus Quiescent Regions in the Galaxy: A Case Study of ISM Properties Based on 18 cm OH and ¹² CO (1–0) Observations. Astrophysical Journal, 2020, 901, 50.	1.6	3
1032	ALMA Evidence for Ram Pressure Compression and Stripping of Molecular Gas in the Virgo Cluster Galaxy NGC 4402. Astrophysical Journal, 2020, 901, 95.	1.6	28
1033	An Intensity Mapping Detection of Aggregate CO Line Emission at 3 mm. Astrophysical Journal, 2020, 901, 141.	1.6	39
1034	Molecular Gas Outflow in the Starburst Galaxy NGC 1482. Astrophysical Journal, 2020, 901, 151.	1.6	12
1035	ALMA Observations of HCO ⁺ and HCN Emission in the Massive Star-forming Region N55 of the Large Magellanic Cloud. Astrophysical Journal, 2020, 902, 140.	1.6	6
1036	SOFIA/FIFI-LS Full-disk [C ii] Mapping and CO-dark Molecular Gas across the Nearby Spiral Galaxy NGC 6946. Astrophysical Journal, 2020, 903, 30.	1.6	15
1037	The ALMA Spectroscopic Survey in the Hubble Ultra Deep Field: CO Excitation and Atomic Carbon in Star-forming Galaxies at zÂ=Â1–3. Astrophysical Journal, 2020, 902, 109.	1.6	62
1038	The ALMA Spectroscopic Survey in the Hubble Ultra Deep Field: Constraining the Molecular Content at log(M _* /M _{âS™})Ââ^¼Â9.5 with CO Stacking of MUSE-detected zÂâ^¼Â1.5 Galaxies. Astr Journal, 2020, 902, 113.	aphysical	11
1039	ALMaQUEST. IV. The ALMA-MaNGA QUEnching and STar Formation (ALMaQUEST) Survey. Astrophysical Journal, 2020, 903, 145.	1.6	37
1040	Biases and Cosmic Variance in Molecular Gas Abundance Measurements at High Redshift. Astrophysical Journal, 2020, 904, 127.	1.6	12
1041	The Environmental Dependence of the X _{CO} Conversion Factor. Astrophysical Journal, 2020, 903, 142.	1.6	47
1042	Significant Suppression of Star Formation in Radio-quiet AGN Host Galaxies with Kiloparsec-scale Radio Structures. Astrophysical Journal, 2020, 904, 83.	1.6	15
1043	Ubiquitous Molecular Outflows in zÂ>Â4 Massive, Dusty Galaxies. II. Momentum-driven Winds Powered by Star Formation in the Early Universe. Astrophysical Journal, 2020, 905, 86.	1.6	33
1044	A Large-scale ¹² CO, ¹³ CO, and C ¹⁸ O Molecular Cloud Survey in the Outer Galactic Plane over IA=A[129.A°75, 140.A°25] and bA=A[a^35.A°25, +5.A°25]. Astrophysical Journal, Supple Series, 2020, 246, 7.	n3eDit	16
1045	The Molecular Clouds Associated with the H ii Regions/Candidates between <i>L</i> = 207.°7 and <i>L</i> = 211.°7. Astrophysical Journal, Supplement Series, 2020, 249, 27.	3.0	2
1046	Direct Measurement of the [C i] Luminosity to Molecular Gas Mass Conversion Factor in High-redshift Star-forming Galaxies. Astrophysical Journal Letters, 2020, 889, L7.	3.0	25
1047	Systematic Variations of CO JÂ=Â2â^'1/1–0 Ratio and Their Implications in The Nearby Barred Spiral Galaxy M83. Astrophysical Journal Letters, 2020, 890, L10.	3.0	20

#	Article	IF	CITATIONS
1048	The High Molecular Gas Content, and the Efficient Conversion of Neutral into Molecular Gas, in Jellyfish Galaxies. Astrophysical Journal Letters, 2020, 897, L30.	3.0	47
1049	High Molecular Gas Masses in Absorption-selected Galaxies at zÂâ‰^Â2. Astrophysical Journal Letters, 2020, 901, L5.	3.0	14
1050	Scaling Relations for Molecular Gas and Metallicity: Impact on the Baryonic Tully–Fisher Relation. Research Notes of the AAS, 2020, 4, 45.	0.3	13
1051	Nobeyama 45 m Local Spur CO survey. I. Giant molecular filaments and cluster formation in the Vulpecula OB association. Publication of the Astronomical Society of Japan, 2022, 74, 24-49.	1.0	3
1052	The MBHBMâ∢† Project – II. Molecular gas kinematics in the lenticular galaxy NGCÂ3593 reveal a supermassive black hole. Monthly Notices of the Royal Astronomical Society, 2021, 509, 2920-2939.	1.6	9
1053	Metallicity Dependence of the H/H ₂ and C ⁺ /C/CO Distributions in a Resolved Self-regulating Interstellar Medium. Astrophysical Journal, 2021, 920, 44.	1.6	30
1054	Submillimetre compactness as a critical dimension to understand the main sequence of star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5217-5238.	1.6	26
1055	Virgo filaments. Astronomy and Astrophysics, 2022, 657, A9.	2.1	25
1056	The structure and characteristic scales of the H†I gas in galactic disks. Astronomy and Astrophysics, 2021, 655, A101.	2.1	10
1057	Pre-supernova feedback mechanisms drive the destruction of molecular clouds in nearby star-forming disc galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 509, 272-288.	1.6	65
1058	The SEDIGISM survey: The influence of spiral arms on the molecular gas distribution of the inner Milky Way. Astronomy and Astrophysics, 2022, 658, A54.	2.1	9
1059	From EMBER to FIRE: predicting high resolution baryon fields from dark matter simulations with deep learning. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1323-1341.	1.6	9
1060	Which Molecular Cloud Structures Are Bound?. Astrophysical Journal, 2021, 920, 126.	1.6	17
1062	Using CO to Measure Molecular Masses. EAS Publications Series, 2015, 75-76, 81-86.	0.3	1
1064	Supernovae and the Chemical Evolution of Galaxies. , 2016, , 1-17.		0
1067	The Relationship Between CO and H2. Astrophysics and Space Science Library, 2017, , 205-225.	1.0	0
1068	Observing in the Dark: The Dust-Gas Connection. Astrophysics and Space Science Library, 2017, , 155-183.	1.0	0
1070	A Spectral Analysis of the Centimeter Regime of Nearby Galaxies: RRLs, Excited OH, and NH ₃ . Astrophysical Journal, 2019, 882, 95.	1.6	3

#	Article	IF	CITATIONS
1071	The Star-forming Interstellar Medium of Lyman Break Galaxy Analogs. Astrophysical Journal, 2019, 887, 251.	1.6	6
1072	H ₂ content of galaxies inside and around intermediate redshift clusters. Proceedings of the International Astronomical Union, 2019, 15, 158-162.	0.0	0
1073	High-resolution, 3D radiative transfer modelling. Astronomy and Astrophysics, 2020, 638, A150.	2.1	14
1074	Influence of velocity dispersions on star-formation activities in galaxies. Astronomy and Astrophysics, 2020, 641, A24.	2.1	2
1075	The Quest for the Missing Dust. I. Restoring Large-scale Emission in Herschel Maps of Local Group Galaxies. Astrophysical Journal, 2021, 921, 35.	1.6	5
1076	The Nature of Hi-absorption-selected Galaxies at z â‰^ 4. Astrophysical Journal, 2021, 921, 68.	1.6	7
1077	Middle-Aged and Old Supernova Remnants. Astronomy and Astrophysics Library, 2020, , 257-275.	0.2	0
1078	Testing the star formation scaling relations in the clumps of the North American and Pelican nebulae cloud complex. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3123-3141.	1.6	6
1079	A search for dust and molecular gas in enormous Ly <i>α</i> nebulae at <i>z</i> â‰^ 2. Astronomy and Astrophysics, 2021, 645, L3.	2.1	10
1080	Where's the Dust?: The Deepening Anomaly of Microwave Emission in NGC 4725 B. Astrophysical Journal Letters, 2020, 905, L23.	3.0	4
1081	Arcminute-scale studies of the interstellar gas towards HESS J1804â^'216: Still an unidentified TeV <i>γ</i> -ray source. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	2
1082	The physical properties and impact of AGN outflows from high to low redshift. Proceedings of the International Astronomical Union, 2019, 15, 212-220.	0.0	0
1083	OGHReS: Large-scale filaments in the outer Galaxy. Astronomy and Astrophysics, 2021, 655, L2.	2.1	12
1084	Molecular Line Observations in Two Dusty Star-forming Galaxies at z = 6.9. Astrophysical Journal, 2021, 921, 97.	1.6	20
1085	Circumnuclear Molecular Gas in Low-redshift Quasars and Matched Star-forming Galaxies. Astrophysical Journal, 2020, 898, 61.	1.6	4
1086	A cold and diffuse giant molecular filament in the region of l = 41°, b = â^'1°. Research in Astronomy and Astrophysics, 2020, 20, 143.	0.7	7
1087	SDSS-IV MaNGA: The Nature of an Off-galaxy H _α Blob—A Multiwavelength View of Offset Cooling in a Merging Galaxy Group. Astrophysical Journal, 2020, 903, 16.	1.6	4
1088	DeGaS-MC: Dense Gas Survey in the Magellanic Clouds. Astronomy and Astrophysics, 2020, 643, A63.	2.1	9

#	Article	IF	CITATIONS
1089	IllustrisTNG and S2COSMOS: possible conflicts in the evolution of neutral gas and dust. Monthly Notices of the Royal Astronomical Society, 2020, 500, 871-888.	1.6	3
1090	Exploring the dust content of galactic haloes with <i>Herschel</i> III. NGCÂ891. Monthly Notices of the Royal Astronomical Society, 2021, 502, 969-984.	1.6	11
1091	VERTICO: The Virgo Environment Traced in CO Survey. Astrophysical Journal, Supplement Series, 2021, 257, 21.	3.0	25
1092	Measuring the H i Content of Individual Galaxies Out to the Epoch of Reionization with [C ii]. Astrophysical Journal, 2021, 922, 147.	1.6	25
1093	Extragalactic Magnetism with SOFIA (Legacy Program). I. The Magnetic Field in the Multiphase Interstellar Medium of M51 [*] . Astrophysical Journal, 2021, 921, 128.	1.6	21
1094	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). Astronomy and Astrophysics, 2022, 659, A46.	2.1	8
1095	An Unbiased CO Survey toward the Northern Region of the Small Magellanic Cloud with the Atacama Compact Array. I. Overview: CO Cloud Distributions. Astrophysical Journal, 2021, 922, 171.	1.6	11
1096	PHANCS–ALMA: Arcsecond CO(2–1) Imaging of Nearby Star-forming Galaxies. Astrophysical Journal, Supplement Series, 2021, 257, 43.	3.0	161
1097	High Molecular-gas to Dust Mass Ratios Predicted in Most Quiescent Galaxies. Astrophysical Journal Letters, 2021, 922, L30.	3.0	17
1098	[C†l] 158 μm line emission from Orion A. Astronomy and Astrophysics, 2022, 658, A98.	2.1	5
1099	CO-CAVITY pilot survey: Molecular gas and star formation in void galaxies. Astronomy and Astrophysics, 2022, 658, A124.	2.1	7
1100	MASCOT: an ESO–ARO legacy survey of molecular gas in nearby SDSS-MaNGA galaxies – I. First data release, and global and resolved relations between H2 and stellar content. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3119-3131.	1.6	5
1101	Massive Molecular Outflow and 100 kpc Extended Cold Halo Gas in the Enormous Lyα Nebula of QSO 1228+3128. Astrophysical Journal Letters, 2021, 922, L29.	3.0	16
1102	An ACA Survey of [C i] ³ P ₁ â^' ³ P ₀ , CO J = 4 â^' 3, and Dust Continuum in Nearby U/LIRGs. Astrophysical Journal, Supplement Series, 2021, 257, 28.	3.0	10
1103	A Morphological Classification of 18,190 Molecular Clouds Identified in ¹² CO Data from the MWISP Survey. Astrophysical Journal, Supplement Series, 2021, 257, 51.	3.0	13
1104	The HASHTAG Project: The First Submillimeter Images of the Andromeda Galaxy from the Ground. Astrophysical Journal, Supplement Series, 2021, 257, 52.	3.0	5
1105	Molecular gas properties of Q1700-MD94: A massive main-sequence galaxy at <i>z</i> â‰^ 2. Astronomy and Astrophysics, 2022, 657, L15.	2.1	5
1106	Properties of molecular gas in galaxies in early and mid stages of Interaction. III. Resolved Kennicutt–Schmidt law. Publication of the Astronomical Society of Japan, 2022, 74, 343-363.	1.0	3

#	Article	IF	CITATIONS
1107	Atomic and molecular gas from the epoch of reionisation down to redshift 2. Astronomy and Astrophysics, 2022, 657, A47.	2.1	11
1108	The Interstellar Medium of Dwarf Galaxies. Galaxies, 2022, 10, 11.	1.1	6
1109	The impact of cosmic-ray attenuation on the carbon cycle emission in molecular clouds. Astronomy and Astrophysics, 2022, 658, A151.	2.1	9
1110	A 2–3 mm high-resolution molecular line survey towards the centre of the nearby spiral galaxy NGC 6946. Astronomy and Astrophysics, 2022, 659, A173.	2.1	14
1111	APEX at the QSO MUSEUM: molecular gas reservoirs associated with <i>z</i> â^¼ 3 quasars and their link to the extended Ly α emission. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1462-1483.	1.6	6
1112	A FAST survey of Hâ€ [–] I narrow-line self-absorptions in <i>Planck</i> Galactic cold clumps guided by HC ₃ N. Astronomy and Astrophysics, 2022, 658, A140.	2.1	4
1113	Correlations of gas, dust and young stellar populations in the spiral galaxy NGC 7331. Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2022, 24, 138-151.	0.2	0
1114	Quasar feedback survey: multiphase outflows, turbulence, and evidence for feedback caused by low power radio jets inclined into the galaxy disc. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1608-1628.	1.6	32
1115	Spatially-resolved relation between [C <scp>i</scp>] 3 <i>P</i> 1–3 <i>P</i> 0 and 12COÂ(1–0) in ArpÂ22 Publication of the Astronomical Society of Japan, 2022, 74, 407-420.	20 1.0	4
1116	Gas dynamics in dwarf galaxies as testbeds for dark matter and galaxy evolution. Nature Astronomy, 2022, 6, 35-47.	4.2	12
1117	A CO isotopologue Line Atlas within the Whirlpool galaxy Survey (CLAWS). Astronomy and Astrophysics, 2022, 662, A89.	2.1	9
1118	Molecular Gas Properties and CO-to-H ₂ Conversion Factors in the Central Kiloparsec of NGC 3351. Astrophysical Journal, 2022, 925, 72.	1.6	20
1119	Probing the galactic cosmic-ray density with current and future <i>γ</i> -ray instruments. Astronomy and Astrophysics, 2022, 659, A57.	2.1	5
1120	APEX and NOEMA observations of H ₂ S in nearby luminous galaxies and the ULIRG Mrk 231. Astronomy and Astrophysics, 2022, 660, A82.	2.1	3
1121	Now You See It, Now You Don't: Star Formation Truncation Precedes the Loss of Molecular Gas by â^¼100 Myr in Massive Poststarburst Galaxies at z â^¼ 0.6. Astrophysical Journal, 2022, 925, 153.	1.6	23
1122	Physical properties of the molecular cloud, N4, in SSÂ433: Evidence for an interaction of molecular cloud with the jet from SSÂ433. Publication of the Astronomical Society of Japan, 2022, 74, 493-509.	1.0	4
1123	Diffuse GeV emission in the field of HESS J1912+101 revisited. Astronomy and Astrophysics, 2022, 659, A83.	2.1	4
1124	AGN impact on the molecular gas in galactic centres as probed by CO lines. Monthly Notices of the Royal Astronomical Society, 2022, 512, 686-711.	1.6	13

#	Article	IF	CITATIONS
1125	Spatially resolved star-formation relations of dense molecular gas in NGC 1068. Astronomy and Astrophysics, 2022, 660, A83.	2.1	11
1126	Molecular Clouds Associated with H ii Regions and Candidates within l = 106.°65 to 109.°50 and b = Ⱂ1.°85 to 0.°95. Research in Astronomy and Astrophysics, 2022, 22, 045008.	0.7	1
1127	Burton's Curse: The Impact of Bulk Flows on the Galactic Longitude–Velocity Diagram and the Illusion of a Continuous Perseus Arm. Astrophysical Journal, 2022, 925, 201.	1.6	11
1128	Direct Far-infrared Metal Abundances (FIRA). I. M101. Astrophysical Journal, 2022, 925, 194.	1.6	4
1129	Cold gas removal from the centre of a galaxy by a low-luminosity jet. Nature Astronomy, 2022, 6, 488-495.	4.2	18
1130	Galactic center gamma-ray production by cosmic rays from stellar winds and Sgr A East. Astronomy and Astrophysics, 2022, 659, A105.	2.1	4
1131	A ³ COSMOS: A census on the molecular gas mass and extent of main-sequence galaxies across cosmic time. Astronomy and Astrophysics, 2022, 660, A142.	2.1	19
1132	Stellar feedback in M83 as observed with MUSE. Astronomy and Astrophysics, 2022, 660, A77.	2.1	7
1133	The Close AGN Reference Survey (CARS). Astronomy and Astrophysics, 2022, 659, A125.	2.1	15
1134	ALMA Imaging of a Galactic Molecular Outflow in NGC 4945. Astrophysical Journal, 2021, 923, 83.	1.6	11
1135	Three-dimensional geometry and dust/gas ratios in massive star-forming regions over the entire LMC as revealed by the IRSF/SIRIUS survey. Publication of the Astronomical Society of Japan, 2022, 74, 639-655.	1.0	2
1136	Progress of the Study on (Sub)millimeter Lines in Galaxies During the Herschel Period. Chinese Astronomy and Astrophysics, 2022, 46, 1-35.	0.1	0
1137	CO(2–1)/CO(1–0) Line Ratio on a â^¼100 Parsec Scale in the Nearby Barred Galaxy NGC 1300. Astrophysical Journal, 2022, 926, 96.	1.6	2
1138	The diverse cold molecular gas contents, morphologies, and kinematics of type-2 quasars as seen by ALMA. Astronomy and Astrophysics, 2022, 658, A155.	2.1	31
1139	IRAM 30 m CO-line Observation toward the PeVatron Candidate G106.3+2.7: Direct Interaction between the Shock and the Molecular Cloud Remains Uncertain. Astrophysical Journal, 2022, 926, 124.	1.6	4
1140	Unveiling the main sequence to starburst transition region with a sample of intermediate redshift luminous infrared galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2371-2388.	1.6	2
1141	The column densities of molecular gas across cosmic time: bridging observations and simulations. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4736-4751.	1.6	6
1142	Dissecting Nearby Galaxies with piXedfit. I. Spatially Resolved Properties of Stars, Dust, and Gas as Revealed by Panchromatic SED Fitting. Astrophysical Journal, 2022, 926, 81.	1.6	15

~			-	
	ΙΤΔΤΙ	ON	REPC	NDT
\sim			NLFU	<u> </u>

#	Article	IF	CITATIONS
1143	The Environments of CO Cores and Star Formation in the Dwarf Irregular Galaxy WLM. Astronomical Journal, 2022, 163, 141.	1.9	3
1144	The molecular gas resolved by ALMA in the low-metallicity merging dwarf galaxy Haro 11. Astronomy and Astrophysics, 2022, 661, A136.	2.1	6
1145	The ALMaQUEST Survey. VII. Star Formation Scaling Relations of Green Valley Galaxies. Astrophysical Journal, 2022, 926, 175.	1.6	12
1146	The Gas–Star Formation Cycle in Nearby Star-forming Galaxies. II. Resolved Distributions of CO and Hα Emission for 49 PHANGS Galaxies. Astrophysical Journal, 2022, 927, 9.	1.6	19
1147	Embedded Young Massive Star Clusters in the Antennae Merger. Astrophysical Journal, 2022, 928, 57.	1.6	6
1148	METAL: The Metal Evolution, Transport, and Abundance in the Large Magellanic Cloud Hubble Program. III. Interstellar Depletions, Dust-to-Metal, and Dust-to-Gas Ratios versus Metallicity. Astrophysical Journal, 2022, 928, 90.	1.6	9
1149	High resolution spectral imaging of CO(7–6), [CI](2–1), and continuum of three high- <i>z</i> lensed dusty star-forming galaxies using ALMA. Astronomy and Astrophysics, 2022, 663, A22.	2.1	3
1150	Low-J CO Line Ratios from Single-dish CO Mapping Surveys and PHANGS-ALMA. Astrophysical Journal, 2022, 927, 149.	1.6	46
1151	Molecular gas in <i>z</i> â^1⁄4 6 quasar host galaxies. Astronomy and Astrophysics, 2022, 662, A60.	2.1	20
1152	Variations in the Σ _{SFR} â€â^`â€Î£ _{mol} â€â^`â€Î£ _{â<†} plane across galac in PHANGS galaxies. Astronomy and Astrophysics, 2022, 663, A61.	tic enviro 2.1	nments 10
1153	On the accuracy of H <scp>i</scp> observations in molecular clouds – More cold H <scp>i</scp> than thought?. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4765-4784.	1.6	13
1154	Infrared Spectral Energy Distributions and Dust Masses of Sub-solar Metallicity Galaxies at z â^1⁄4 2.3. Astrophysical Journal, 2022, 928, 68.	1.6	7
1155	Duality in spatially resolved star formation relations in local LIRGs. Astronomy and Astrophysics, 2022, 659, A102.	2.1	9
1156	Asymmetric Star Formation Triggered by Gas Inflow in a Barred Lenticular Galaxy PGC 34107. Astrophysical Journal, 2022, 927, 215.	1.6	3
1157	ArH ⁺ and H ₂ O ⁺ absorption towards luminous galaxies. Astronomy and Astrophysics, 2022, 659, A152.	2.1	1
1158	WISDOM Project – X. The morphology of the molecular ISM in galaxy centres and its dependence on galaxy structure. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1522-1540.	1.6	17
1159	Molecular gas properties of <i>Planck</i> -selected protocluster candidates at <i>z</i> â‰f 1.3–3. Astronomy and Astrophysics, 2022, 662, A85.	2.1	6
1160	Probing Multiphase Gas in Local Massive Elliptical Galaxies via Multiwavelength Observations. Astrophysical Journal, 2022, 928, 150.	1.6	17

#	Article	IF	CITATIONS
1161	Supernova remnant G46.8–0.3: A new case of interaction with molecular material. Astronomy and Astrophysics, 2022, 664, A89.	2.1	4
1162	Extreme Variation in Star Formation Efficiency across a Compact, Starburst Disk Galaxy. Astrophysical Journal, 2022, 928, 169.	1.6	6
1163	Synthetic CO emission and the <i>X</i> CO factor of young molecular clouds: a convergence study. Monthly Notices of the Royal Astronomical Society, 2021, 510, 753-773.	1.6	8
1164	The AGN fuelling/feedback cycle in nearby radio galaxies – IV. Molecular gas conditions and jet–ISM interaction in NGC 3100. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4485-4503.	1.6	13
1165	A high-resolution investigation of the multiphase ISM in a galaxy during the first two billion years. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3734-3757.	1.6	18
1166	Is the molecular KS relationship universal down to low metallicities?. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4146-4165.	1.6	5
1167	Multiphase Outflows in High-redshift Quasar Host Galaxies. Astrophysical Journal, 2021, 923, 59.	1.6	12
1168	Fermi-LAT Detection of Extended Gamma-Ray Emission in the Vicinity of SNR G045.7-00.4: Evidence of Escaping Cosmic Rays Interacting with the Surrounding Molecular Clouds. Astrophysical Journal, 2021, 923, 106.	1.6	6
1169	The ALMaQUEST survey IX: the nature of the resolved star forming main sequence. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3622-3628.	1.6	29
1170	The EDGE-CALIFA Survey: The Resolved Star Formation Efficiency and Local Physical Conditions. Astrophysical Journal, 2021, 923, 60.	1.6	6
1171	Cold Molecular Gas in Merger Remnants. II. The Properties of Dense Molecular Gas. Astrophysical Journal, Supplement Series, 2021, 257, 57.	3.0	5
1172	Slow Star Formation in the Milky Way: Theory Meets Observations. Astrophysical Journal Letters, 2022, 929, L18.	3.0	13
1173	On Estimating the Cosmic Molecular Gas Density from CO Line Intensity Mapping Observations. Astrophysical Journal, 2022, 929, 30.	1.6	8
1174	ALMA Measures Molecular Gas Reservoirs Comparable to Field Galaxies in a Low-mass Galaxy Cluster at $z = 1.3$. Astrophysical Journal, 2022, 929, 35.	1.6	6
1175	Tracing Molecular Gas Mass in z \hat{a} ‰ f 6 Galaxies with [C ii]. Astrophysical Journal, 2022, 929, 92.	1.6	22
1176	Cosmological nanolensing by dense gas clouds. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2491-2508.	1.6	1
1177	Multiwavelength and Multi-CO View of the Minor Merger Driven Star Formation in the Nearby LIRG NGC 3110. Astrophysical Journal, 2022, 929, 100.	1.6	2
1178	Diffuse Flux of Ultra-high-energy Photons from Cosmic-Ray Interactions in the Disk of the Galaxy and Implications for the Search for Decaying Super-heavy Dark Matter. Astrophysical Journal, 2022, 929, 55.	1.6	7

#	Article	IF	CITATIONS
1179	The Interstellar Medium in the Environment of the Supernova-less Long-duration GRB 111005A. Astrophysical Journal, Supplement Series, 2022, 259, 67.	3.0	5
1180	Mapping the Universe in hydrogen deuteride. Physical Review D, 2022, 105, .	1.6	4
1181	Being KLEVER at cosmic noon: Ionized gas outflows are inconspicuous in low-mass star-forming galaxies but prominent in massive AGN hosts. Monthly Notices of the Royal Astronomical Society, 2022, 513, 2535-2562.	1.6	20
1182	Kiloparsec-scale Imaging of the CO(1-0)-traced Cold Molecular Gas Reservoir in a z â^¼ 3.4 Submillimeter Galaxy. Astrophysical Journal, 2022, 930, 35.	1.6	4
1183	A Multiwavelength Study of ELAN Environments (AMUSE ²). Mass Budget, Satellites Spin Alignment, and Gas Infall in a Massive z â^¼ 3 Quasar Host Halo. Astrophysical Journal, 2022, 930, 72.	1.6	8
1184	CO Emission Delineating the Interface between the Milky Way Nuclear Wind Cavity and the Gaseous Disk. Astrophysical Journal, 2022, 930, 112.	1.6	0
1185	CO excitation and line energy distributions in gas-selected galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2346-2355.	1.6	4
1186	The molecular gas properties in local Seyfert 2 galaxies. Astronomy and Astrophysics, 2022, 663, A28.	2.1	9
1187	The Dense Gas Mass Fraction and the Relationship to Star Formation in M51. Astrophysical Journal, 2022, 930, 170.	1.6	5
1188	Predicting HCN, HCO+, multi-transition CO, and dust emission of star-forming galaxies: Constraining the properties of resolved gas and dust disks of local spiral galaxies. Astronomy and Astrophysics, 0, , .	2.1	1
1189	The co-evolution of molecular hydrogen and the grain size distribution in an isolated galaxy. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1461-1476.	1.6	10
1190	Systematic Investigation of Dust and Gaseous CO in 12 Nearby Molecular Clouds. Astrophysical Journal, 2022, 931, 9.	1.6	5
1191	Dependence of X _{CO} on Metallicity, Intensity, and Spatial Scale in a Self-regulated Interstellar Medium. Astrophysical Journal, 2022, 931, 28.	1.6	17
1192	Collisional excitation of isotopologues of carbon monoxide by molecular hydrogen. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2214-2219.	1.6	3
1193	Central star formation in double-peak, gas-rich radio galaxies. Astronomy and Astrophysics, 2022, 664, A125.	2.1	3
1194	The CO Emission in the Taffy Galaxies (UGC 12914/15) at 60 pc Resolution. I. The Battle for Star Formation in the Turbulent Taffy Bridge. Astrophysical Journal, 2022, 931, 121.	1.6	3
1195	The Cold Interstellar Medium of Galaxies in the Local Universe. Annual Review of Astronomy and Astrophysics, 2022, 60, 319-361.	8.1	67
1196	Bursting Bubbles: Feedback from Clustered Supernovae and the Trade-off Between Turbulence and Outflows. Astrophysical Journal, 2022, 932, 88.	1.6	16

#	Article	IF	CITATIONS
1197	CHEMOUT: CHEMical complexity in star-forming regions of the OUTer Galaxy. II. Methanol formation at low metallicity. Astronomy and Astrophysics, 0, , .	2.1	2
1198	Absorption Spectra of Electrified Hydrogen Molecules. Astrophysical Journal, 2022, 932, 4.	1.6	0
1199	Photodissociation and X-Ray-Dominated Regions. Annual Review of Astronomy and Astrophysics, 2022, 60, 247-318.	8.1	58
1200	The interstellar medium of high-redshift galaxies: Gathering clues from Ciii] and [C ii] lines. Astronomy and Astrophysics, 0, , .	2.1	2
1201	The 30 Doradus Molecular Cloud at 0.4 pc Resolution with the Atacama Large Millimeter/submillimeter Array: Physical Properties and the Boundedness of CO-emitting Structures. Astrophysical Journal, 2022, 932, 47.	1.6	15
1202	The galactic dust-up: modelling dust evolution in FIRE. Monthly Notices of the Royal Astronomical Society, 2022, 514, 4506-4534.	1.6	12
1203	The impact of gas disc flaring on rotation curve decomposition and revisiting baryonic and dark matter relations for nearby galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3329-3348.	1.6	17
1204	Circumnuclear Medium around the Central AGN in a Cool-core Cluster, Abell 1644-South. Astrophysical Journal, 2022, 932, 64.	1.6	5
1205	PASSAGES: the Large Millimeter Telescope and ALMA observations of extremely luminous high-redshift galaxies identified by the Planck. Monthly Notices of the Royal Astronomical Society, 2022, 515, 3911-3937.	1.6	8
1206	Disentangling emission from star-forming regions in the Magellanic Clouds: Linking [O iii] <i>λ</i> 88 µm and 24 Aµm. Astronomy and Astrophysics, 2022, 666, A112.	2.1	3
1207	VERTICO II: How H i-identified Environmental Mechanisms Affect the Molecular Gas in Cluster Galaxies. Astrophysical Journal, 2022, 933, 10.	1.6	17
1208	Dust emissivity in resolved spiral galaxies. Astronomy and Astrophysics, 2022, 664, A187.	2.1	3
1209	High-resolution ALMA Study of CO J = 2–1 Line and Dust Continuum Emissions in Cluster Galaxies at z = 1.46. Astrophysical Journal, 2022, 933, 11.	1.6	7
1210	WISDOM project – XI. Star formation efficiency in the bulge of the AGN-host Galaxy NGCÂ3169 with SITELLE and ALMA. Monthly Notices of the Royal Astronomical Society, 2022, 514, 5035-5055.	1.6	7
1211	Jansky Very Large Array Detections of CO(1–0) Emission in H i-absorption-selected Galaxies at z ≳ 2. Astrophysical Journal Letters, 2022, 933, L42.	3.0	4
1212	Molecular Cloud Populations in the Context of Their Host Galaxy Environments: A Multiwavelength Perspective. Astronomical Journal, 2022, 164, 43.	1.9	31
1213	COMAP Early Science. VII. Prospects for CO Intensity Mapping at Reionization. Astrophysical Journal, 2022, 933, 188.	1.6	16
1214	On the scale height of the molecular gas disc in Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1663-1675.	1.6	3

#	Article	IF	CITATIONS
1215	H _I -H ₂ transition: Exploring the role of the magnetic field. Astronomy and Astrophysics, 2022, 665, A77.	2.1	7
1216	Effects of CO-dark Gas on Measurements of Molecular Cloud Stability and the Size–Linewidth Relationship. Astrophysical Journal, 2022, 933, 179.	1.6	1
1217	Dependence of Molecular Cloud Samples on Angular Resolution, Sensitivity, and Algorithms. Astronomical Journal, 2022, 164, 55.	1.9	3
1218	H i Narrow-line Self-absorptions toward the High-mass Star-forming Region G176.51+00.20. Astrophysical Journal Letters, 2022, 933, L26.	3.0	1
1219	Properties of Dense Molecular Gas along the Major Axis of M82. Astrophysical Journal, 2022, 933, 139.	1.6	2
1220	Infrared view of the multiphase ISM in NGC 253. Astronomy and Astrophysics, 2022, 665, A85.	2.1	4
1221	Charge Exchange X-Ray Emission Detected in Multiple Shells of Supernova Remnant G296.1–0.5. Astrophysical Journal, 2022, 933, 101.	1.6	4
1222	Insights into the collapse and expansion of molecular clouds in outflows from observable pressure gradients. Nature Astronomy, 2022, 6, 1077-1084.	4.2	4
1223	A Massive, Dusty, Hi Absorption–Selected Galaxy at z â‰^ 2.46 Identified in a CO Emission Survey. Astrophysical Journal, 2022, 934, 87.	1.6	2
1225	Structural and Dynamical Analysis of the Quiescent Molecular Ridge in the Large Magellanic Cloud. Astronomical Journal, 2022, 164, 64.	1.9	3
1226	Topological models to infer multiphase interstellar medium properties. Astronomy and Astrophysics, 2022, 667, A34.	2.1	5
1227	Extreme giant molecular clouds in the luminous infrared galaxy NGCÂ3256. Monthly Notices of the Royal Astronomical Society, 2022, 515, 2928-2950.	1.6	2
1228	A deep spectromorphological study of the <i>l³</i> -ray emission surrounding the young massive stellar cluster Westerlund 1. Astronomy and Astrophysics, 2022, 666, A124.	2.1	13
1229	The strongest cool core in REXCESS: Missing X-ray cavities in RXC J2014.8–2430. Astronomy and Astrophysics, 2022, 665, A48.	2.1	2
1230	Probing Cold Gas in a Massive, Compact Star-forming Galaxy at z = 6. Astrophysical Journal, 2022, 933, 242.	1.6	12
1231	Dust, CO, and [C <scp>i</scp>]: cross-calibration of molecular gas mass tracers in metal-rich galaxies across cosmic time. Monthly Notices of the Royal Astronomical Society, 2022, 517, 962-999.	1.6	26
1232	Detection of Diffuse γ-Ray Emission toward a Massive Star-forming Region Hosting Wolf–Rayet Stars. Astrophysical Journal, 2022, 935, 129.	1.6	1
1233	METAL: The Metal Evolution, Transport, and Abundance in the Large Magellanic Cloud Hubble Program. IV. Calibration of Dust Depletions versus Abundance Ratios in the Milky Way and Magellanic Clouds and Application to Damped Lyα Systems. Astrophysical Journal, 2022, 935, 105.	1.6	6

#	Article	IF	CITATIONS
1234	Dust grain size evolution in local galaxies: a comparison between observations and simulations. Monthly Notices of the Royal Astronomical Society, 2022, 515, 5306-5334.	1.6	4
1235	The cold gas and dust properties of red star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 516, 84-99.	1.6	0
1236	Molecular flows in contemporary active galaxies and the efficacy of radio-mechanical feedback. Monthly Notices of the Royal Astronomical Society, 2022, 516, 861-882.	1.6	6
1237	Molecular Gas Structures Traced by ¹³ CO Emission in the 18,190 ¹² CO Molecular Clouds from the MWISP Survey. Astrophysical Journal, Supplement Series, 2022, 261, 37.	3.0	6
1238	A CO Survey of the Entire Northern Sky. Astrophysical Journal, Supplement Series, 2022, 262, 5.	3.0	4
1239	Dissecting Nearby Galaxies with piXedfit. II. Spatially Resolved Scaling Relations among Stars, Dust, and Gas. Astrophysical Journal, 2022, 935, 98.	1.6	7
1240	The ALMA REBELS Survey: The Cosmic H i Gas Mass Density in Galaxies at z â‰^ 7. Astrophysical Journal Letters, 2022, 934, L27.	3.0	17
1241	Three-dimensional structure of the central molecular zone. Monthly Notices of the Royal Astronomical Society, 2022, 516, 907-923.	1.6	4
1242	Young, Blue, and Isolated Stellar Systems in the Virgo Cluster. II. A New Class of Stellar System. Astrophysical Journal, 2022, 935, 51.	1.6	2
1243	The ALMaQUEST Survey X: what powers merger induced star formation?. Monthly Notices of the Royal Astronomical Society, 2022, 516, 1462-1480.	1.6	15
1244	BFSÂ10: a nascent bipolar H <scp>ii</scp> region in a filamentary molecular cloud. Monthly Notices of the Royal Astronomical Society, 2022, 515, 6217-6224.	1.6	0
1245	Environmental dependence of the molecular cloud lifecycle in 54 main-sequence galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3006-3028.	1.6	32
1246	CO in the ALMA Radio-source Catalogue (ARC): The molecular gas content of radio galaxies as a function of redshift. Astronomy and Astrophysics, 2022, 668, A67.	2.1	2
1247	The EDGE-CALIFA survey: The role of spiral arms and bars in driving central molecular gas concentrations. Astronomy and Astrophysics, 2022, 666, A175.	2.1	11
1248	A 30m Large Program: The CO Line Atlas of the Whirlpool Galaxy Survey (CLAWS). EPJ Web of Conferences, 2022, 265, 00012.	0.1	0
1249	Star Formation Suppression by Tidal Removal of Cold Molecular Gas from an Intermediate-redshift Massive Post-starburst Galaxy. Astrophysical Journal Letters, 2022, 936, L11.	3.0	6
1250	VINTERGATAN IV: Cosmic phases of star formation in Milky Way-like galaxies. Monthly Notices of the Royal Astronomical Society, 2022, 516, 2272-2279.	1.6	11
1251	The effects of local stellar radiation and dust depletion on non-equilibrium interstellar chemistry. Monthly Notices of the Royal Astronomical Society, 2022, 517, 1557-1583.	1.6	1

#	Article	IF	CITATIONS
1252	Dense Gas and Star Formation in Nearby Infrared-bright Galaxies: APEX Survey of HCN and HCO ⁺ J = 2 → 1. Astrophysical Journal, 2022, 936, 58.	1.6	5
1253	Tracers of Dense Gas in the Outer Galaxy. Astronomical Journal, 2022, 164, 129.	1.9	6
1254	Star Formation Activity beyond the Outer Arm. II. Distribution and Properties of Star Formation. Astrophysical Journal, 2022, 936, 181.	1.6	1
1255	Pressure-regulated, Feedback-modulated Star Formation in Disk Galaxies. Astrophysical Journal, 2022, 936, 137.	1.6	25
1256	Low-energy cosmic rays: regulators of the dense interstellar medium. Astronomy and Astrophysics Review, 2022, 30, .	9.1	11
1257	ALMA/ACA CO Survey of the IC 1459 and NGC 4636 Groups: Environmental Effects on the Molecular Gas of Group Galaxies. Astrophysical Journal, Supplement Series, 2022, 262, 31.	3.0	9
1258	SPRITZ is sparkling: Simulated CO and [Câ€II] luminosities. Astronomy and Astrophysics, 2022, 666, A193.	2.1	2
1259	Molecular fraction in the Galactic Centre: The Central Molecular and H <scp>i</scp> Zones. Monthly Notices of the Royal Astronomical Society, 2022, 516, 3911-3923.	1.6	1
1260	WISDOM Project – XIII. Feeding molecular gas to the supermassive black hole in the starburst AGN-host galaxy Fairall 49. Monthly Notices of the Royal Astronomical Society, 2022, 516, 4066-4083.	1.6	9
1261	Bird's eye view of molecular clouds in the Milky Way. Astronomy and Astrophysics, 2022, 667, A110.	2.1	2
1262	Signs of environmental effects on star-forming galaxies in the Spiderweb protocluster at <i>z</i> Â=Â2.16. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1707-1734.	1.6	8
1263	Physics of ULIRGs with MUSE and ALMA: The PUMA project. Astronomy and Astrophysics, 2022, 668, A45.	2.1	10
1264	The GALPROP Cosmic-ray Propagation and Nonthermal Emissions Framework: Release v57. Astrophysical Journal, Supplement Series, 2022, 262, 30.	3.0	22
1265	GASP XXXIX: MeerKAT hunts Jellyfish in A2626. Monthly Notices of the Royal Astronomical Society, 2022, 516, 2683-2696.	1.6	4
1266	The Effect of Molecular Cloud Properties on the Kinematics of Stars Formed in the Trifid Region. Astrophysical Journal, 2022, 937, 46.	1.6	2
1267	Line-intensity mapping: theory review with a focus on star-formation lines. Astronomy and Astrophysics Review, 2022, 30, .	9.1	28
1268	A 4 kpc Molecular Gas Lane in Cygnus A. Astrophysical Journal, 2022, 937, 106.	1.6	2
1269	Science Cases and the Conceptual Design for a New-generation Multi-beam Receiving System. Chinese Astronomy and Astrophysics, 2022, 46, 309-329.	0.1	0

#	Article	IF	CITATIONS
1270	A Multiwavelength View of IC 860: What Is in Action inside Quenching Galaxies [*] . Astrophysical Journal, 2022, 938, 63.	1.6	7
1271	Evidence for extended gaseous reservoirs around AGN at cosmic noon from ALMA CO(3â^2) observations. Monthly Notices of the Royal Astronomical Society, 2022, 518, 691-708.	1.6	5
1272	Forming stars in a dual AGN host: molecular and ionized gas in the nearby, luminous infrared merger, MrkÂ266. Monthly Notices of the Royal Astronomical Society, 2022, 518, 1407-1417.	1.6	1
1273	The resolved scaling relations in DustPedia: Zooming in on the local Universe. Astronomy and Astrophysics, 2022, 668, A130.	2.1	13
1274	From Clusters to Proto-Clusters: The Infrared Perspective on Environmental Galaxy Evolution. Universe, 2022, 8, 554.	0.9	11
1275	Sequential Star Formation in the Young SMC Region NGC 602: Insights from ALMA. Astrophysical Journal, 2022, 938, 82.	1.6	1
1276	The recent star formation history of NGCÂ628 on resolved scales. Monthly Notices of the Royal Astronomical Society, 2022, 517, 3763-3777.	1.6	1
1277	Diffuse Î ³ -ray emission around the massive star forming region of Carina Nebula Complex. Monthly Notices of the Royal Astronomical Society, 2022, 517, 5121-5128.	1.6	3
1278	Investigating the [C ii]-to-H i Conversion Factor and the H i Gas Budget of Galaxies at z â‰^ 6 with Hydrodynamic Simulations. Astrophysical Journal Letters, 2022, 939, L1.	3.0	5
1279	A scaling relation in [C <scp>ii</scp>]-detected galaxies and its likely application in cosmology. Monthly Notices of the Royal Astronomical Society, 2022, 517, 2508-2525.	1.6	1
1280	Star and Cluster Formation in the Sh2-112 Filamentary Cloud Complex. Astrophysical Journal, 2022, 939, 46.	1.6	3
1281	ALMACAL VIII: a pilot survey for untargeted extragalactic CO emission lines in deep ALMA calibration data. Monthly Notices of the Royal Astronomical Society, 2022, 519, 34-49.	1.6	4
1282	Submillimeter observations of molecular gas interacting with the supernova remnant W28. Astronomy and Astrophysics, 2022, 668, A180.	2.1	2
1283	Dust Temperature Uncertainties Hamper the Inference of Dust and Molecular Gas Masses from the Dust Continuum Emission of Quiescent High-redshift Galaxies. Astrophysical Journal Letters, 2022, 939, L27.	3.0	14
1284	Ultra-diffuse Galaxies as Extreme Star-forming Environments. II. Star Formation and Pressure Balance in H i-rich UDGs. Astrophysical Journal, 2022, 939, 101.	1.6	4
1285	Does absorption against AGN reveal supermassive black hole accretion?. Monthly Notices of the Royal Astronomical Society, 2022, 518, 878-892.	1.6	9
1286	The Unusual AGN Host NGC 1266: Evidence for Shocks in a Molecular Gas Rich SO Galaxy with a Low Luminosity Nucleus. Research in Astronomy and Astrophysics, 0, , .	0.7	0
1287	Molecular Gas Reservoirs in Massive Quiescent Galaxies at z â^1⁄4 0.7 Linked to Late-time Star Formation. Astrophysical Journal, 2022, 940, 39.	1.6	9

#	Article	IF	CITATIONS
1288	Recent advances in reducible metal oxide catalysts for C1 reactions. Catalysis Science and Technology, 0, , .	2.1	1
1289	Large-scale CO (J = 1 â~ 0) Observations toward the M120.1+3.0 Molecular Cloud: A filament with a chain of starburst clusters. Research in Astronomy and Astrophysics, 0, , .	0.7	0
1290	The volumetric extended-Schmidt law: a unity slope. Monthly Notices of the Royal Astronomical Society, 2022, 518, 4024-4037.	1.6	2
1291	Does the Lockstep Growth between Black Holes and Bulges Create Their Mass Relation?. Astrophysical Journal, 2022, 940, 146.	1.6	0
1292	The Correlation between WISE 12 μm Emission and Molecular Gas Tracers on Subkiloparsec Scales in Nearby Star-forming Galaxies. Astrophysical Journal, 2022, 940, 133.	1.6	5
1293	The molecular gas main sequence and Schmidt–Kennicutt relation are fundamental, the star-forming main sequence is a (useful) byproduct. Monthly Notices of the Royal Astronomical Society, 2022, 518, 4767-4781.	1.6	8
1294	MAGIC observations provide compelling evidence of hadronic multi-TeV emission from the putative PeVatron SNR G106.3+2.7. Astronomy and Astrophysics, 2023, 671, A12.	2.1	9
1295	The Giant Low Surface Brightness Galaxy Malin 1: New Constraints for Its Molecular Gas Mass from GBT/ARGUS Observations. Astrophysical Journal Letters, 2022, 940, L37.	3.0	6
1296	<scp>PDFchem</scp> : A new fast method to determine ISM properties and infer environmental parameters using probability distributions. Monthly Notices of the Royal Astronomical Society, 2022, 519, 729-753.	1.6	9
1297	The dust-to-gas mass ratio of luminous galaxies as a function of their metallicity at cosmic noon. Astronomy and Astrophysics, 2023, 670, A138.	2.1	3
1298	DUVET: Spatially Resolved Observations of Star Formation Regulation via Galactic Outflows in a Starbursting Disk Galaxy. Astrophysical Journal, 2022, 941, 163.	1.6	2
1299	CO(J = 1–0) Mapping Survey of 64 Galaxies in the Fornax Cluster with the ALMA Morita Array. Astrophysical Journal, Supplement Series, 2022, 263, 40.	3.0	11
1300	Molecular Gas Heating, Star Formation Rate Relations, and AGN Feedback in Infrared-Luminous Galaxy Mergers. Universe, 2023, 9, 3.	0.9	1
1301	The molecular gas kinematics in the host galaxy of non-repeating FRB 180924B. Monthly Notices of the Royal Astronomical Society, 2022, 519, 2030-2034.	1.6	2
1302	Photochemistry and Heating/Cooling of the Multiphase Interstellar Medium with UV Radiative Transfer for Magnetohydrodynamic Simulations. Astrophysical Journal, Supplement Series, 2023, 264, 10.	3.0	9
1303	VERTICO. IV. Environmental Effects on the Gas Distribution and Star Formation Efficiency of Virgo Cluster Spirals. Astrophysical Journal, 2022, 940, 176.	1.6	10
1304	CCAT-prime Collaboration: Science Goals and Forecasts with Prime-Cam on the Fred Young Submillimeter Telescope. Astrophysical Journal, Supplement Series, 2023, 264, 7.	3.0	20
1305	Shaken, but not expelled: Gentle baryonic feedback from nearby starburst dwarf galaxies. Astronomy and Astrophysics, 2023, 670, A92.	2.1	19

#	Article	IF	CITATIONS
1306	Searching for Converging Flows of Atomic Gas onto a Molecular Cloud. Astrophysical Journal, 2022, 941, 62.	1.6	1
1307	VERTICO. Astronomy and Astrophysics, 2023, 671, A3.	2.1	9
1308	Resolved Molecular Gas Observations of MaNGA Post-starbursts Reveal a Tumultuous Past. Astrophysical Journal, 2022, 941, 93.	1.6	6
1309	The metallicity's fundamental dependence on both local and global galactic quantities. Monthly Notices of the Royal Astronomical Society, 2022, 519, 1149-1170.	1.6	16
1310	The origin of double-peak emission-line galaxies: Rotating discs, bars, or galaxy mergers?. Astronomy and Astrophysics, 0, , .	2.1	1
1311	The mixing of dust and gas in the high latitude translucent cloud MBM 40. Astronomy and Astrophysics, 2022, 668, L9.	2.1	1
1312	Building the molecular cloud population: the role of cloud mergers. Monthly Notices of the Royal Astronomical Society, 2022, 519, 1887-1898.	1.6	7
1313	LoTSS Jellyfish Galaxies. IV. Enhanced Star Formation on the Leading Half of Cluster Galaxies and Gas Compression in IC3949. Astrophysical Journal, 2022, 941, 77.	1.6	13
1314	ALMA Observations of CO Emission from Luminous Lyman-break Galaxies at z = 6.0293–6.2037. Astrophysical Journal, 2022, 941, 74.	1.6	3
1315	A Molecular Gas Ring Hidden in the Sombrero Galaxy. Astrophysical Journal, 2022, 941, 47.	1.6	1
1316	Evidence of extended cold molecular gas and dust haloes around z ~ 2.3 extremely red quasars with ALMA. Monthly Notices of the Royal Astronomical Society, 2023, 519, 5246-5262.	1.6	5
1317	CO Emission, Molecular Gas, and Metallicity in Main-sequence Star-forming Galaxies at z â^1⁄4 2.3*. Astrophysical Journal, 2023, 942, 24.	1.6	13
1318	Molecular gas cloud properties at <i>z</i> â‰f 1 revealed by the superb angular resolution achieved with ALMA and gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2023, 519, 6222-6238.	1.6	5
1319	Exploring extreme conditions for star formation: A deep search for molecular gas in the Leo ring. Astronomy and Astrophysics, 0, , .	2.1	1
1320	Dependence of Chemical Abundance on the Cosmic-Ray Ionization Rate in IC 348. Astrophysical Journal, 2023, 942, 101.	1.6	5
1321	¹² CO (3–2) High-Resolution Survey (COHRS) of the Galactic Plane: Complete Data Release. Astrophysical Journal, Supplement Series, 2023, 264, 16.	3.0	2
1322	Hyperion: the origin of the stars. A far UV space telescope for high-resolution spectroscopy over wide fields. Journal of Astronomical Telescopes, Instruments, and Systems, 2022, 8, .	1.0	1
1323	Radio jet–ISM interaction and positive radio-mechanical feedback in Abell 1795. Monthly Notices of the Royal Astronomical Society, 2023, 519, 3338-3356.	1.6	2

#	Article	IF	CITATIONS
1324	Dynamical signature of a stellar bulge in a quasar-host galaxy at <i>z</i> â‰f  6. Astronomy and Astrophysics, 2023, 671, A44.	2.1	1
1325	Cosmic Evolution of Gas and Star Formation [*] . Astrophysical Journal, 2023, 943, 82.	1.6	7
1326	Molecular clouds at the eastern edge of radio nebula WÂ50. Publication of the Astronomical Society of Japan, 2023, 75, 338-350.	1.0	1
1327	Estimating Molecular Gas Content in Galaxies from Polycyclic Aromatic Hydrocarbon Emission. Astrophysical Journal, 2023, 943, 1.	1.6	1
1328	Statistical Study of the Star Formation Efficiency in Bars: Is Star Formation Suppressed in Gas-rich Bars?. Astrophysical Journal, 2023, 943, 7.	1.6	8
1329	NOEMA Detection of Circumnuclear Molecular Gas in X-Ray Weak Dual Active Galactic Nuclei: No Evidence for Heavy Obscuration. Astrophysical Journal, 2023, 943, 50.	1.6	3
1330	A comparison of the baryonic Tully–Fisher relation in MaNGA and IllustrisTNG. Monthly Notices of the Royal Astronomical Society, 2023, 520, 3895-3908.	1.6	5
1331	Young Radio Sources Expanding in Gas-Rich ISM: Using Cold Molecular Gas to Trace Their Impact. Galaxies, 2023, 11, 24.	1.1	4
1332	GNOMES II: Analysis of the Galactic diffuse molecular ISM in all four ground state hydroxyl transitions using <scp>Amoeba</scp> . Publications of the Astronomical Society of Australia, 2023, 40,	1.3	3
1333	NOEMA spatially resolved view of the multiphase outflow in IRAS17020+4544: a shocked wind in action?. Monthly Notices of the Royal Astronomical Society, 2023, 521, 2134-2148.	1.6	2
1334	Resolved CO(1–0) Emission and Gas Properties in Luminous Dusty Star-forming Galaxies at z = 2–4. Astrophysical Journal, 2023, 945, 24.	1.6	4
1335	JWST high-redshift galaxy constraints on warm and cold dark matter models. Astronomy and Astrophysics, 2023, 672, A71.	2.1	9
1336	Star Formation Laws and Efficiencies across 80 Nearby Galaxies. Astrophysical Journal Letters, 2023, 945, L19.	3.0	16
1337	Does a radio jet drive the massive multiphase outflow in the ultra-luminous infrared galaxy IRAS 10565Â+Â2448?. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5712-5723.	1.6	1
1338	C†I and CO in nearby spiral galaxies. Astronomy and Astrophysics, 2023, 672, A36.	2.1	1
1339	Extragalactic Science with the Orbiting Astronomical Satellite Investigating Stellar Systems (OASIS) Observatory. Space Science Reviews, 2023, 219, .	3.7	0
1340	The ALMOND survey: molecular cloud properties and gas density tracers across 25 nearby spiral galaxies with ALMA. Monthly Notices of the Royal Astronomical Society, 2023, 521, 3348-3383.	1.6	9
1341	Massive Star Formation in the Tarantula Nebula. Astrophysical Journal, 2023, 944, 26.	1.6	2

#	Article	IF	CITATIONS
1342	Enhanced Star Formation Efficiency in the Central Regions of Nearby Quasar Hosts. Astrophysical Journal, 2023, 944, 30.	1.6	7
1343	Comparing the Locations of Supernovae to CO (2–1) Emission in Their Host Galaxies. Astrophysical Journal, 2023, 944, 110.	1.6	2
1344	PHANGS–JWST First Results: Variations in PAH Fraction as a Function of ISM Phase and Metallicity. Astrophysical Journal Letters, 2023, 944, L11.	3.0	16
1345	PHANGS–JWST First Results: A Global and Moderately Resolved View of Mid-infrared and CO Line Emission from Galaxies at the Start of the JWST Era. Astrophysical Journal Letters, 2023, 944, L10.	3.0	10
1346	Magnetic Fields, Star Formation Rates, and Gas Densities at Sub-kiloparsec Scales in a Pilot Sample of Nearby Galaxies. Astrophysical Journal, 2023, 944, 86.	1.6	3
1347	PHANGS–JWST First Results: Mid-infrared Emission Traces Both Gas Column Density and Heating at 100 pc Scales. Astrophysical Journal Letters, 2023, 944, L9.	3.0	16
1348	CO(2â^'1) survey at 9 pc resolution in the Small Magellanic Cloud. Astronomy and Astrophysics, 2023, 672, A153.	2.1	3
1349	PHANGS–JWST First Results: A Combined HST and JWST Analysis of the Nuclear Star Cluster in NGC 628. Astrophysical Journal Letters, 2023, 944, L25.	3.0	6
1350	PHANGS–JWST First Results: Rapid Evolution of Star Formation in the Central Molecular Gas Ring of NGC 1365. Astrophysical Journal Letters, 2023, 944, L15.	3.0	13
1351	PHANGS–JWST First Results: Tracing the Diffuse Interstellar Medium with JWST Imaging of Polycyclic Aromatic Hydrocarbon Emission in Nearby Galaxies. Astrophysical Journal Letters, 2023, 944, L8.	3.0	16
1352	Star-forming brightest cluster galaxies at <i>z</i> â^¼ 0.4 in KiDS. Astronomy and Astrophysics, 2023, 672, A139.	2.1	0
1353	A nearly constant CN/HCN line ratio in nearby galaxies: CN as a new tracer of dense gas. Monthly Notices of the Royal Astronomical Society, 2023, 521, 717-736.	1.6	2
1354	Kpc-scale properties of dust temperature in terms of dust mass and star formation activity. Monthly Notices of the Royal Astronomical Society, 2023, 520, 5506-5520.	1.6	3
1355	A Large-scale Kinematic Study of Molecular Gas in High-z Cluster Galaxies: Evidence for High Levels of Kinematic Asymmetry. Astrophysical Journal, 2023, 944, 213.	1.6	4
1356	Structure and Kinematics of Sh2-138—A Distant Hub-filament System in the Outer Galactic Plane. Astrophysical Journal, 2023, 944, 228.	1.6	3
1357	The stellar population responsible for a kiloparsec-size superbubble seen in the <i>JWST</i> â€~phantom' images of NGC 628. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5492-5507.	1.6	2
1358	Advanced Î ³ -Ray Emission Studies of G15.4+0.1 with Fermi-LAT: Evidence of Escaping Cosmic Rays Interacting with Surrounding Molecular Clouds. Astrophysical Journal, 2023, 945, 21.	1.6	3
1359	The Mid-infrared Molecular Inventory toward Orion IRc2. Astrophysical Journal, 2023, 945, 26.	1.6	5

#	Article	IF	CITATIONS
1360	Does the HCN/CO Ratio Trace the Star-forming Fraction of Gas? I. A Comparison with Analytical Models of Star Formation. Astrophysical Journal, 2023, 945, 42.	1.6	1
1361	The JCMT Nearby Galaxies Legacy Survey: SCUBA-2 observations of nearby galaxies. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	0
1362	An APEX Study of Molecular Outflows in FUor-type Stars. Astrophysical Journal, 2023, 945, 80.	1.6	5
1363	VLA Legacy Survey of Molecular Gas in Massive Star-forming Galaxies at High Redshift. Astrophysical Journal, 2023, 945, 128.	1.6	6
1364	Another X-ray UFO without a momentum-boosted molecular outflow. ALMA CO(1-0) observations of the galaxy pair IRAS 05054+1718. Astronomy and Astrophysics, 0, , .	2.1	0
1365	Multiwavelength study of the galactic PeVatron candidate LHAASO J2108+5157. Astronomy and Astrophysics, 2023, 673, A75.	2.1	3
1366	Molecular gas in super spiral galaxies. Astronomy and Astrophysics, 2023, 673, A87.	2.1	1
1367	Bright extragalactic ALMA redshift survey (BEARS) III: detailed study of emission lines from 71 <i>Herschel</i> targets. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5508-5535.	1.6	7
1368	Proximate molecular quasar absorbers. Astronomy and Astrophysics, 2023, 673, A89.	2.1	3
1369	The atomic-to-molecular hydrogen transition in the TNG50 simulation: Using realistic UV fields to create spatially resolved H <scp>i</scp> maps. Monthly Notices of the Royal Astronomical Society, 2023, 521, 5645-5668.	1.6	6
1370	Extragalactic science with the experiment for cryogenic large-aperture intensity mapping. Monthly Notices of the Royal Astronomical Society, 2023, 521, 6124-6142.	1.6	5
1371	Resolved stellar population properties of PHANGS-MUSE galaxies. Astronomy and Astrophysics, 2023, 673, A147.	2.1	6
1372	The Quest for the Missing Dust. II. Two Orders of Magnitude of Evolution in the Dust-to-gas Ratio Resolved within Local Group Galaxies. Astrophysical Journal, 2023, 946, 42.	1.6	4
1373	Dynamics of Molecular Gas in the Central Region of the Quasar I Zwicky 1. Astrophysical Journal, 2023, 946, 45.	1.6	1
1374	An investigation of the circumgalactic medium around <i>z</i> â^¼ 2.2 AGN with ACA and ALMA. Monthly Notices of the Royal Astronomical Society, 2023, 522, 275-291.	1.6	4
1375	Chemical Modeling of Orion Nebula Cluster Disks: Evidence for Massive, Compact Gas Disks with Interstellar Gas-to-dust Ratios. Astrophysical Journal, 2023, 947, 7.	1.6	5
1376	Detection of a new molecular cloud in the LHAASOÂJ2108+5157 region supporting a hadronic PeVatron scenario. Publication of the Astronomical Society of Japan, 0, , .	1.0	4
1377	A comprehensive view of the interstellar medium in a quasar host galaxy at <i>z</i> â‰^ 6.4. Astronomy and Astrophysics, 2023, 673, A157.	2.1	6

#	Article	IF	CITATIONS
1378	Cold molecular gas outflow encasing the ionized one in the Seyfert galaxy NGC 3281. Monthly Notices of the Royal Astronomical Society, 2023, 522, 3753-3765.	1.6	4
1379	Weighing the Local Interstellar Medium Using Gamma Rays and Dust. Physical Review Letters, 2023, 130,	2.9	1
1380	Investigating physical states of molecular gas in the overlapping region of interacting galaxies NGC 4567/4568 using ALMA. Publication of the Astronomical Society of Japan, 0, , .	1.0	0
1428	Small molecules, big impact: a tale of hydrides past, present, and future. Astrophysics and Space Science, 2023, 368, .	0.5	0